

## SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.  
 HILLMAN, Jennifer L.  
 LAL, Preeti  
 TANG, Y. Tom  
 YUE, Henry  
 AU-YOUNG, Janice  
 BANDMAN, Olga  
 AZIMZAI, Yalda  
 YANG, Junming  
 LU, Dyung Aina M.  
 BAUGHN, Mariah R.  
 PATTERSON, Chandra  
 SHAH, Purvi

<120> CELL CYCLE AND PROLIFERATION PROTEINS

<130> PF-0722 PCT

<140> To Be Assigned  
 <141> Herewith

<150> 60/145,075; 60/153,129; 60/164,647  
 <151> 1999-07-21; 1999-09-08; 1999-11-10

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 <170> PERL Program

<210> 1  
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
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 35 40 45  
 Arg Ile Lys Glu Asn Gly Ala Ala Ala Leu Asp Gly Arg Leu Gln  
 50 55 60  
 Glu Gly Asp Lys Ile Leu Ser Val Asn Gly Gln Asp Leu Lys Asn  
 65 70 75  
 Leu Leu His Gln Asp Ala Val Asp Leu Phe Arg Asn Ala Gly Tyr  
 80 85 90  
 Ala Val Ser Leu Arg Val Gln His Arg Leu Gln Val Gln Asn Gly  
 95 100 105  
 Pro Ile Gly His Arg Gly Glu Gly Asp Pro Ser Gly Ile Pro Ile  
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 Phe Met Val Leu Val Pro Val Phe Ala Leu Thr Met Val Ala Ala  
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 Trp Ala Phe Met Arg Tyr Arg Gln Gln Leu  
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<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1210462CD1

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				20					25					30
Lys	Glu	Leu	Gly	Asp	Ala	Trp	Asn	Thr	Val	Arg	Glu	Ile	Leu	Thr
				35					40					45
Ser	Pro	Ser	Cys	Trp	Gln	Tyr	Ala	Val	Leu	Leu	Asn	Arg	Phe	Asn
				50					55					60
Tyr	Pro	Phe	Glu	Leu	Glu	Lys	Asp	Leu	His	Leu	Lys	Gly	Tyr	His
				65					70					75
Thr	Leu	Ser	Gln	Gly	Ser	Leu	Pro	Asn	Tyr	Pro	Lys	Ser	Val	Lys
				80					85					90
Cys	Tyr	Leu	Ser	Arg	Thr	Pro	Gly	Arg	Ile	Pro	Ser	Glu	Arg	His
				95					100					105
Gln	Ile	Gly	Asn	Leu	Lys	Lys	Tyr	Tyr	Leu	Leu	Asn	Ala	Ala	Ser
				110					115					120
Leu	Leu	Pro	Val	Leu	Ala	Leu	Glu	Leu	Arg	Asp	Gly	Glu	Lys	Val
				125					130					135
Leu	Asp	Leu	Cys	Ala	Ala	Pro	Gly	Gly	Lys	Ser	Ile	Ala	Leu	Leu
				140					145					150
Gln	Cys	Ala	Cys	Pro	Gly	Tyr	Leu	His	Cys	Asn	Glu	Tyr	Asp	Ser
				155					160					165
Leu	Arg	Leu	Arg	Trp	Leu	Arg	Gln	Thr	Leu	Glu	Ser	Phe	Ile	Pro
				170					175					180
Gln	Pro	Leu	Ile	Asn	Val	Ile	Lys	Val	Ser	Glu	Leu	Asp	Gly	Arg
				185					190					195
Lys	Met	Gly	Asp	Ala	Gln	Pro	Glu	Met	Phe	Asp	Lys	Val	Leu	Val
				200					205					210
Asp	Ala	Pro	Cys	Ser	Asn	Asp	Arg	Ser	Trp	Leu	Phe	Ser	Ser	Asp
				215					220					225
Ser	Gln	Lys	Ala	Ser	Cys	Arg	Ile	Ser	Gln	Arg	Arg	Asn	Leu	Pro
				230					235					240
Leu	Leu	Gln	Ile	Glu	Leu	Leu	Arg	Ser	Ala	Ile	Lys	Ala	Leu	Arg
				245					250					255
Pro	Gly	Gly	Ile	Leu	Val	Tyr	Ser	Thr	Cys	Thr	Leu	Ser	Lys	Ala
				260					265					270
Glu	Asn	Gln	Asp	Val	Ile	Ser	Glu	Ile	Leu	Asn	Ser	His	Gly	Asn
				275					280					285
Ile	Met	Pro	Met	Asp	Ile	Lys	Gly	Ile	Ala	Arg	Thr	Cys	Ser	His
				290					295					300
Asp	Phe	Thr	Phe	Ala	Pro	Thr	Gly	Gln	Glu	Cys	Gly	Leu	Leu	Val
				305					310					315
Ile	Pro	Asp	Lys	Gly	Lys	Ala	Trp	Gly	Pro	Met	Tyr	Val	Ala	Lys
				320					325					330
Leu	Lys	Lys	Ser	Trp	Ser	Thr	Gly	Lys	Trp					
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<210> 3

<211> 418

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1305252CD1

<400> 3

Met	Leu	Tyr	Leu	Glu	Asp	Tyr	Leu	Glu	Met	Ile	Glu	Gln	Leu	Pro
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Met	Asp	Leu	Arg	Asp	Arg	Phe	Thr	Glu	Met	Arg	Glu	Met	Asp	Leu
				20					25					30
Gln	Val	Gln	Asn	Ala	Met	Asp	Gln	Leu	Glu	Gln	Arg	Val	Ser	Glu
				35					40					45
Phe	Phe	Met	Asn	Ala	Lys	Lys	Asn	Lys	Pro	Glu	Trp	Arg	Glu	Glu
				50					55					60
Gln	Met	Ala	Ser	Ile	Lys	Lys	Asp	Tyr	Tyr	Lys	Ala	Leu	Glu	Asp
				65					70					75
Ala	Asp	Glu	Lys	Val	Gln	Leu	Ala	Asn	Gln	Ile	Tyr	Asp	Leu	Val
				80					85					90
Asp	Arg	His	Leu	Arg	Lys	Leu	Asp	Gln	Glu	Leu	Ala	Lys	Phe	Lys
				95					100					105
Met	Glu	Leu	Glu	Ala	Asp	Asn	Ala	Gly	Ile	Thr	Glu	Ile	Leu	Glu
				110					115					120
Arg	Arg	Ser	Leu	Glu	Leu	Asp	Thr	Pro	Ser	Gln	Pro	Val	Asn	Asn
				125					130					135
His	His	Ala	His	Ser	His	Thr	Pro	Val	Glu	Lys	Arg	Lys	Tyr	Asn
				140					145					150
Pro	Thr	Ser	His	His	Thr	Thr	Thr	Asp	His	Ile	Pro	Glu	Lys	Lys
				155					160					165
Phe	Lys	Ser	Glu	Ala	Leu	Leu	Ser	Thr	Leu	Thr	Ser	Asp	Ala	Ser
				170					175					180
Lys	Glu	Asn	Thr	Leu	Gly	Cys	Arg	Asn	Asn	Asn	Ser	Thr	Ala	Ser
				185					190					195
Ser	Asn	Asn	Ala	Tyr	Asn	Val	Asn	Ser	Ser	Gln	Pro	Leu	Gly	Ser
				200					205					210
Tyr	Asn	Ile	Gly	Ser	Leu	Ser	Ser	Gly	Thr	Gly	Ala	Gly	Ala	Ile
				215					220					225
Thr	Met	Ala	Ala	Ala	Gln	Ala	Val	Gln	Ala	Thr	Ala	Gln	Met	Lys
				230					235					240
Glu	Gly	Arg	Arg	Thr	Ser	Ser	Leu	Lys	Ala	Ser	Tyr	Glu	Ala	Phe
				245					250					255
Lys	Asn	Asn	Asp	Phe	Gln	Leu	Gly	Lys	Glu	Phe	Ser	Met	Ala	Arg
				260					265					270
Glu	Thr	Val	Gly	Tyr	Ser	Ser	Ser	Ser	Ala	Leu	Met	Thr	Thr	Leu
				275					280					285
Thr	Gln	Asn	Ala	Ser	Ser	Ser	Ala	Ala	Asp	Ser	Arg	Ser	Gly	Arg
				290					295					300
Lys	Ser	Lys	Asn	Asn	Asn	Lys	Ser	Ser	Ser	Gln	Gln	Ser	Ser	Ser
				305					310					315
Ser	Ser	Ser	Ser	Ser	Ser	Leu	Ser	Ser	Cys	Ser	Ser	Ser	Ser	Thr
				320					325					330
Val	Val	Gln	Glu	Ile	Ser	Gln	Gln	Thr	Thr	Val	Val	Pro	Glu	Ser
				335					340					345
Asp	Ser	Asn	Ser	Gln	Val	Asp	Trp	Thr	Tyr	Asp	Pro	Asn	Glu	Pro
				350					355					360
Arg	Tyr	Cys	Ile	Cys	Asn	Gln	Val	Ser	Tyr	Gly	Glu	Met	Val	Gly
				365					370					375
Cys	Asp	Asn	Gln	Asp	Cys	Pro	Ile	Glu	Trp	Phe	His	Tyr	Gly	Cys
				380					385					390
Val	Gly	Leu	Thr	Glu	Ala	Pro	Lys	Gly	Lys	Trp	Tyr	Cys	Pro	Gln
				395					400					405
Cys	Thr	Ala	Ala	Met	Lys	Arg	Arg	Gly	Ser	Arg	His	Lys		
				410					415					

&lt;210&gt; 4

&lt;211&gt; 297

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1416289CD1

&lt;400&gt; 4

Met	Ala	Tyr	Asn	Val	Ile	Ile	Ile	Tyr	Phe	Asn	Phe	Arg	Cys	Leu
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Glu	Trp	Leu	Leu	Asn	Asn	Leu	Met	Thr	His	Gln	Asn	Val	Glu	Leu
				20					25					30
Phe	Lys	Glu	Leu	Ser	Ile	Asn	Val	Met	Lys	Gln	Leu	Ile	Gly	Ser
				35					40					45
Ser	Asn	Leu	Phe	Val	Met	Gln	Val	Glu	Met	Asp	Ile	Tyr	Thr	Ala
				50					55					60
Leu	Lys	Lys	Trp	Met	Phe	Leu	Gln	Leu	Val	Pro	Ser	Trp	Asn	Gly
				65					70					75
Ser	Leu	Lys	Gln	Leu	Leu	Thr	Glu	Thr	Asp	Val	Trp	Phe	Ser	Lys
				80					85					90
Gln	Arg	Lys	Asp	Phe	Glu	Gly	Met	Ala	Phe	Leu	Glu	Thr	Glu	Gln
				95					100					105
Gly	Lys	Pro	Phe	Val	Ser	Val	Phe	Arg	His	Leu	Arg	Leu	Gln	Tyr
				110					115					120
Ile	Ile	Ser	Asp	Leu	Ala	Ser	Ala	Arg	Ile	Ile	Glu	Gln	Asp	Ala
				125					130					135
Val	Val	Pro	Ser	Glu	Trp	Leu	Ser	Ser	Val	Tyr	Lys	Gln	Gln	Trp
				140					145					150
Phe	Ala	Met	Leu	Arg	Ala	Glu	Gln	Asp	Ser	Glu	Val	Gly	Pro	Gln
				155					160					165
Glu	Ile	Asn	Lys	Glu	Glu	Leu	Glu	Gly	Asn	Ser	Met	Arg	Cys	Gly
				170					175					180
Arg	Lys	Leu	Ala	Lys	Asp	Gly	Glu	Tyr	Cys	Trp	Arg	Trp	Thr	Gly
				185					190					195
Phe	Asn	Phe	Gly	Phe	Asp	Leu	Leu	Val	Thr	Tyr	Thr	Asn	Arg	Tyr
				200					205					210
Ile	Ile	Phe	Lys	Arg	Asn	Thr	Leu	Asn	Gln	Pro	Cys	Ser	Gly	Ser
				215					220					225
Val	Ser	Leu	Gln	Pro	Arg	Arg	Ser	Ile	Ala	Phe	Arg	Leu	Arg	Leu
				230					235					240
Ala	Ser	Phe	Asp	Ser	Ser	Gly	Lys	Leu	Ile	Cys	Ser	Arg	Thr	Thr
				245					250					255
Gly	Tyr	Gln	Ile	Leu	Thr	Leu	Glu	Lys	Asp	Gln	Glu	Gln	Val	Val
				260					265					270
Met	Asn	Leu	Asp	Ser	Arg	Leu	Leu	Ile	Phe	Pro	Leu	Tyr	Ile	Cys
				275					280					285
Cys	Asn	Phe	Leu	Tyr	Ile	Ser	Pro	Glu	Lys	Lys	Asn			
				290					295					

&lt;210&gt; 5

&lt;211&gt; 184

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1558289CD1

&lt;400&gt; 5

Met	Glu	Ser	Phe	Ser	Ser	Lys	Ser	Leu	Ala	Leu	Gln	Ala	Glu	Lys
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Lys	Leu	Leu	Ser	Lys	Met	Ala	Gly	Arg	Ser	Val	Ala	His	Leu	Phe
				20					25					30
Ile	Asp	Glu	Thr	Ser	Ser	Glu	Val	Leu	Asp	Glu	Leu	Tyr	Arg	Val
				35					40					45
Ser	Lys	Glu	Tyr	Thr	His	Ser	Arg	Pro	Gln	Ala	Gln	Arg	Val	Ile
				50					55					60
Lys	Asp	Leu	Ile	Lys	Val	Ala	Ile	Lys	Val	Ala	Val	Leu	His	Arg
				65					70					75

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Asn Gly Ser Phe Gly Pro Ser Glu Leu Ala Leu Ala Thr Arg Phe
      80                      85                      90
Arg Gln Lys Leu Arg Gln Gly Ala Met Thr Ala Leu Ser Phe Gly
      95                      100                     105
Glu Val Asp Phe Thr Phe Glu Ala Ala Val Leu Ala Gly Leu Leu
      110                     115                     120
Thr Glu Cys Arg Asp Val Leu Leu Glu Leu Val Glu His His Leu
      125                     130                     135
Thr Pro Lys Ser His Gly Arg Ile Arg His Val Phe Asp His Phe
      140                     145                     150
Ser Asp Pro Gly Leu Leu Thr Ala Leu Tyr Gly Pro Asp Phe Thr
      155                     160                     165
Gln His Leu Gly Lys Ile Cys Asp Gly Leu Arg Lys Leu Leu Asp
      170                     175                     180
Glu Gly Lys Leu

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<213> Homo sapiens

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<220>
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<223> Incyte ID No: 1577739CD1

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Leu Gln Asn Lys Glu Leu Phe Ser Ser Leu Lys Lys Gly Lys Ile
  20      25      30
Cys Cys Cys Cys Arg Ala Lys Phe Pro Leu Phe Ser Trp Pro Pro
  35      40      45
Ser Cys Leu Phe Cys Lys Arg Ala Val Cys Thr Ser Cys Ser Ile
  50      55      60
Lys Met Lys Met Pro Ser Lys Lys Phe Gly His Ile Pro Val Tyr
  65      70      75
Thr Leu Gly Phe Glu Ser Pro Gln Arg Val Ser Ala Ala Lys Thr
  80      85      90
Ala Pro Ile Gln Arg Arg Asp Ile Phe Gln Ser Leu Gln Gly Pro
  95     100     105
Gln Trp Gln Ser Val Glu Glu Ala Phe Pro His Ile Tyr Ser His
  110     115     120
Gly Cys Val Leu Lys Asp Val Cys Ser Glu Cys Thr Ser Phe Val
  125     130     135
Ala Asp Val Val Arg Ser Ser Arg Lys Ser Val Asp Val Leu Asn
  140     145     150
Thr Thr Pro Arg Arg Ser Arg Gln Thr Gln Ser Leu Tyr Ile Pro
  155     160     165
Asn Thr Arg Thr Leu Asp Phe Lys
  170

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<210> 7
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<220>
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Ile Asn Ser Asp Phe Ser Asp Leu Arg Glu Ile Lys Lys Gln Leu

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	20		25		30
Leu Leu Ile Ala Gly	Leu Thr Arg Glu	Arg Gly Leu Leu His Ser			
	35		40		45
Ser Lys Trp Ser Ala	Glu Leu Ala Phe	Ser Leu Pro Ala Leu Pro			
	50		55		60
Leu Ala Glu Leu Gln	Pro Pro Pro Pro	Ile Thr Glu Glu Asp Ala			
	65		70		75
Gln Asp Met Asp Ala	Tyr Thr Leu Ala	Lys Ala Tyr Phe Asp Val			
	80		85		90
Lys Glu Tyr Asp Arg	Ala Ala His Phe	Leu His Gly Cys Asn Ser			
	95		100		105
Lys Lys Ala Tyr Phe	Leu Tyr Met Tyr	Ser Arg Tyr Leu Ser Gly			
	110		115		120
Glu Lys Lys Lys Asp	Asp Glu Thr Val	Asp Ser Leu Gly Pro Leu			
	125		130		135
Glu Lys Gly Gln Val	Lys Asn Glu Ala	Leu Arg Glu Leu Arg Val			
	140		145		150
Glu Leu Ser Lys Lys	His Gln Ala Arg	Glu Leu Asp Gly Phe Gly			
	155		160		165
Leu Tyr Leu Tyr Gly	Val Val Leu Arg	Lys Leu Asp Leu Val Lys			
	170		175		180
Glu Ala Ile Asp Val	Phe Val Glu Ala	Thr His Val Leu Pro Leu			
	185		190		195
His Trp Gly Ala Trp	Leu Glu Leu Cys	Asn Leu Ile Thr Asp Lys			
	200		205		210
Glu Met Leu Lys Phe	Leu Ser Leu Pro	Asp Thr Trp Met Lys Glu			
	215		220		225
Phe Phe Leu Ala His	Ile Tyr Thr Glu	Leu Gln Leu Ile Glu Glu			
	230		235		240
Ala Leu Gln Lys Tyr	Gln Asn Leu Ile	Asp Val Gly Phe Ser Lys			
	245		250		255
Ser Ser Tyr Ile Val	Ser Gln Ile Ala	Val Ala Tyr His Asn Ile			
	260		265		270
Arg Asp Ile Asp Lys	Ala Leu Ser Ile	Phe Asn Glu Leu Arg Lys			
	275		280		285
Gln Asp Pro Tyr Arg	Ile Glu Asn Met	Asp Thr Phe Ser Asn Leu			
	290		295		300
Leu Tyr Val Arg Ser	Met Lys Ser Glu	Leu Ser Tyr Leu Ala His			
	305		310		315
Asn Leu Cys Glu Ile	Asp Lys Tyr Arg	Val Glu Thr Cys Cys Val			
	320		325		330
Ile Gly Asn Tyr Tyr	Ser Leu Arg Ser	Gln His Glu Lys Ala Ala			
	335		340		345
Leu Tyr Phe Gln Arg	Ala Leu Lys Leu	Asn Pro Arg Tyr Leu Gly			
	350		355		360
Ala Trp Thr Leu Met	Gly His Glu Tyr	Met Glu Met Lys Asn Thr			
	365		370		375
Ser Ala Ala Ile Gln	Ala Tyr Arg His	Ala Ile Glu Val Asn Lys			
	380		385		390
Arg Asp Tyr Arg Ala	Trp Tyr Gly Leu	Gly Gln Thr Tyr Glu Ile			
	395		400		405
Leu Lys Met Pro Phe	Tyr Cys Leu Tyr	Tyr Cys Arg Arg Ala His			
	410		415		420
Gln Leu Arg Pro Asn	Asp Ser Arg Met	Leu Val Ala Leu Gly Glu			
	425		430		435
Cys Tyr Glu Lys Leu	Asn Gln Leu Val	Glu Ala Lys Lys Cys Tyr			
	440		445		450
Trp Arg Ala Tyr Ala	Val Gly Asp Val	Glu Lys Met Ala Leu Val			
	455		460		465
Lys Leu Ala Lys Leu	His Glu Gln Leu	Thr Glu Ser Glu Gln Ala			
	470		475		480
Ala Gln Cys Tyr Ile	Lys Tyr Ile Gln	Asp Ile Tyr Ser Cys Gly			
	485		490		495

Glu Ile Val Glu His Leu Glu Glu Ser Thr Ala Phe Arg Tyr Leu  
 500 505 510  
 Ala Gln Tyr Tyr Phe Lys Cys Lys Leu Trp Asp Glu Ala Ser Thr  
 515 520 525  
 Cys Ala Gln Lys Cys Cys Ala Phe Asn Asp Thr Arg Glu Glu Gly  
 530 535 540  
 Lys Ala Leu Leu Arg Gln Ile Leu Gln Leu Arg Asn Gln Gly Glu  
 545 550 555  
 Thr Pro Thr Thr Glu Val Pro Ala Pro Phe Phe Leu Pro Ala Ser  
 560 565 570  
 Leu Ser Ala Asn Asn Thr Pro Thr Arg Arg Val Ser Pro Leu Asn  
 575 580 585  
 Leu Ser Ser Val Thr Pro  
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<210> 8

<211> 463

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1887228CD1

<400> 8

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 20 25 30  
 Leu Asp Met Ser Asp Phe Glu Glu Gln Phe Lys Thr Lys Ser Gln  
 35 40 45  
 Gly Pro Ser Leu Asp Leu Ser Ala Leu Lys Ser Lys Ala Ala Gln  
 50 55 60  
 Lys Ala Pro Ser Lys Ala Thr Leu Ile Glu Ala Asn Arg Ala Lys  
 65 70 75  
 Asn Leu Ala Ile Thr Leu Arg Lys Gly Asn Leu Gly Ala Glu Arg  
 80 85 90  
 Ile Cys Gln Ala Ile Glu Ala Tyr Asp Leu Gln Ala Leu Gly Leu  
 95 100 105  
 Asp Phe Leu Glu Leu Leu Met Arg Phe Leu Pro Thr Glu Tyr Glu  
 110 115 120  
 Arg Ser Leu Ile Thr Arg Phe Glu Arg Glu Gln Arg Pro Met Glu  
 125 130 135  
 Glu Leu Ser Glu Glu Asp Arg Phe Met Leu Cys Phe Ser Arg Ile  
 140 145 150  
 Pro Arg Leu Pro Glu Arg Met Thr Thr Leu Thr Phe Leu Gly Asn  
 155 160 165  
 Phe Pro Asp Thr Ala Gln Leu Leu Met Pro Gln Leu Asn Ala Ile  
 170 175 180  
 Ile Ala Ala Ser Met Ser Ile Lys Ser Ser Asp Lys Leu Arg Gln  
 185 190 195  
 Ile Leu Glu Ile Val Leu Ala Phe Gly Asn Tyr Met Asn Ser Ser  
 200 205 210  
 Lys Arg Gly Ala Ala Tyr Gly Phe Arg Leu Gln Ser Leu Asp Ala  
 215 220 225  
 Leu Leu Glu Met Lys Ser Thr Asp Arg Lys Gln Thr Leu Leu His  
 230 235 240  
 Tyr Leu Val Lys Val Ile Ala Glu Lys Tyr Pro Gln Leu Thr Gly  
 245 250 255  
 Phe His Ser Asp Leu His Phe Leu Asp Lys Ala Gly Ser Val Ser  
 260 265 270  
 Leu Asp Ser Val Leu Ala Asp Val Arg Ser Leu Gln Arg Gly Leu  
 275 280 285  
 Glu Leu Thr Gln Arg Glu Phe Val Arg Gln Asp Asp Cys Met Val

Leu Lys Glu Phe	290	295	300
Leu Lys Glu Phe	305	310	315
Leu Ala Asp Ser	320	325	330
Glu Tyr Phe Gly	335	340	345
Phe Ser Leu Phe	350	355	360
Gln Glu Val Glu	365	370	375
Gly Ala Asp Thr	380	385	390
Pro Pro Lys Ala	395	400	405
Lys Arg Arg Gln	410	415	420
Asp Gly Ala Ile	425	430	435
Tyr Ile Arg Ala	440	445	450
Pro Gly Pro Pro	455	460	

&lt;210&gt; 9

&lt;211&gt; 270

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1988468CD1

&lt;400&gt; 9

Met Ala Asp His	Met	Met	Ala	Met	Asn	His	Gly	Arg	Phe	Pro	Asp
1	5					10					15
Gly Thr Asn Gly	Leu	His	His	His	Pro	Ala	His	Arg	Met	Gly	Met
	20					25					30
Gly Gln Phe Pro	Ser	Pro	His	His	His	Gln	Gln	Gln	Gln	Pro	Gln
	35					40					45
His Ala Phe Asn	Ala	Leu	Met	Gly	Glu	His	Ile	His	Tyr	Gly	Ala
	50					55					60
Gly Asn Met Asn	Ala	Thr	Ser	Gly	Ile	Arg	His	Ala	Met	Gly	Pro
	65					70					75
Gly Thr Val Asn	Gly	Gly	His	Pro	Pro	Ser	Ala	Leu	Ala	Pro	Ala
	80					85					90
Ala Arg Phe Asn	Asn	Ser	Gln	Phe	Met	Gly	Pro	Pro	Val	Ala	Ser
	95					100					105
Gln Gly Gly Ser	Leu	Pro	Ala	Ser	Met	Gln	Leu	Gln	Lys	Leu	Asn
	110					115					120
Asn Gln Tyr Phe	Asn	His	His	Pro	Tyr	Pro	His	Asn	His	Tyr	Met
	125					130					135
Pro Asp Leu His	Pro	Ala	Ala	Gly	His	Gln	Met	Asn	Gly	Thr	Asn
	140					145					150
Gln His Phe Arg	Asp	Cys	Asn	Pro	Lys	His	Ser	Gly	Gly	Ser	Ser
	155					160					165
Thr Pro Gly Gly	Ser	Gly	Gly	Ser	Ser	Thr	Pro	Gly	Gly	Ser	Gly
	170					175					180
Ser Ser Ser Gly	Gly	Gly	Ala	Gly	Ser	Ser	Asn	Ser	Gly	Gly	Gly
	185					190					195
Ser Gly Ser Gly	Asn	Met	Pro	Ala	Ser	Val	Ala	His	Val	Pro	Ala
	200					205					210
Ala Met Leu Pro	Pro	Asn	Val	Ile	Asp	Thr	Asp	Phe	Ile	Asp	Glu
	215					220					225

Glu	Val	Leu	Met	Ser	Leu	Val	Ile	Glu	Met	Gly	Leu	Asp	Arg	Ile	
				230					235					240	
Lys	Glu	Leu	Pro	Glu	Leu	Trp	Leu	Gly	Gln	Asn	Glu	Phe	Asp	Phe	
				245					250					255	
Met	Thr	Asp	Phe	Val	Cys	Lys	Gln	Gln	Pro	Ser	Arg	Val	Ser	Cys	
				260					265					270	

<210> 10  
 <211> 255  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2049176CD1

<400> 10															
Met	Val	Ser	Trp	Met	Ile	Ser	Arg	Ala	Val	Val	Leu	Val	Phe	Gly	
1				5					10					15	
Met	Leu	Tyr	Pro	Ala	Tyr	Tyr	Ser	Tyr	Lys	Ala	Val	Lys	Thr	Lys	
				20					25					30	
Asn	Val	Lys	Glu	Tyr	Val	Arg	Trp	Met	Met	Tyr	Trp	Ile	Val	Phe	
				35					40					45	
Ala	Leu	Tyr	Thr	Val	Ile	Glu	Thr	Val	Ala	Asp	Gln	Thr	Val	Ala	
				50					55					60	
Trp	Phe	Pro	Leu	Tyr	Tyr	Glu	Leu	Lys	Ile	Ala	Phe	Val	Ile	Trp	
				65					70					75	
Leu	Leu	Ser	Pro	Tyr	Thr	Lys	Gly	Ala	Ser	Leu	Ile	Tyr	Arg	Lys	
				80					85					90	
Phe	Leu	His	Pro	Leu	Leu	Ser	Ser	Lys	Glu	Arg	Glu	Ile	Asp	Asp	
				95					100					105	
Tyr	Ile	Val	Gln	Ala	Lys	Glu	Arg	Gly	Tyr	Glu	Thr	Met	Val	Asn	
				110					115					120	
Phe	Gly	Arg	Gln	Gly	Leu	Asn	Leu	Ala	Ala	Thr	Ala	Ala	Val	Thr	
				125					130					135	
Ala	Ala	Val	Lys	Ser	Gln	Gly	Ala	Ile	Thr	Glu	Arg	Leu	Arg	Ser	
				140					145					150	
Phe	Ser	Met	His	Asp	Leu	Thr	Thr	Ile	Gln	Gly	Asp	Glu	Pro	Val	
				155					160					165	
Gly	Gln	Arg	Pro	Tyr	Gln	Pro	Leu	Pro	Glu	Ala	Lys	Lys	Lys	Ser	
				170					175					180	
Lys	Pro	Ala	Pro	Ser	Glu	Ser	Ala	Gly	Tyr	Gly	Ile	Pro	Leu	Lys	
				185					190					195	
Asp	Gly	Asp	Glu	Lys	Thr	Asp	Glu	Glu	Ala	Glu	Gly	Pro	Tyr	Ser	
				200					205					210	
Asp	Asn	Glu	Met	Leu	Thr	His	Lys	Gly	Leu	Arg	Arg	Ser	Gln	Ser	
				215					220					225	
Met	Lys	Ser	Val	Lys	Thr	Thr	Lys	Gly	Arg	Lys	Glu	Val	Arg	Tyr	
				230					235					240	
Gly	Ser	Leu	Lys	Tyr	Lys	Val	Lys	Lys	Arg	Pro	Gln	Val	Tyr	Phe	
				245					250					255	

<210> 11  
 <211> 533  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 2686765CD1

<400> 11  
 Met Ser Gly Thr Leu Glu Ser Leu Ala Asp Asp Val Ser Ser Met

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Gly Ser Asp Ser Glu Ile Asn Gly Leu Ala Leu Arg Lys Thr Asp			
	20	25	30
Lys Tyr Gly Phe Leu Gly Gly Ser Gln Tyr Ser Gly Ser Leu Glu			
	35	40	45
Ser Ser Ile Pro Val Asp Val Ala Arg Gln Arg Glu Leu Lys Trp			
	50	55	60
Leu Asp Met Phe Ser Asn Trp Asp Lys Trp Leu Ser Arg Arg Phe			
	65	70	75
Gln Lys Val Lys Leu Arg Cys Arg Lys Gly Ile Pro Ser Ser Leu			
	80	85	90
Arg Ala Lys Ala Trp Gln Tyr Leu Ser Asn Ser Lys Glu Leu Leu			
	95	100	105
Glu Gln Asn Pro Gly Lys Phe Glu Glu Leu Glu Arg Ala Pro Gly			
	110	115	120
Asp Pro Lys Trp Leu Asp Val Ile Glu Lys Asp Leu His Arg Gln			
	125	130	135
Phe Pro Phe His Glu Met Phe Ala Ala Arg Gly Gly His Gly Gln			
	140	145	150
Gln Asp Leu Tyr Arg Ile Leu Lys Ala Tyr Thr Ile Tyr Arg Pro			
	155	160	165
Asp Glu Gly Tyr Cys Gln Ala Gln Ala Pro Val Ala Ala Val Leu			
	170	175	180
Leu Met His Met Pro Ala Glu Lys Pro Phe Gly Ala Trp Val Gln			
	185	190	195
Ile Cys Asp Lys Tyr Leu Pro Gly Tyr Tyr Ser Ala Gly Leu Glu			
	200	205	210
Ala Ile Gln Leu Asp Gly Glu Ile Phe Phe Ala Leu Leu Arg Arg			
	215	220	225
Ala Ser Pro Leu Ala His Arg His Leu Gln Arg Gln Arg Ile Asp			
	230	235	240
Pro Val Leu Tyr Met Thr Glu Trp Phe Met Cys Ile Phe Ala Arg			
	245	250	255
Thr Leu Pro Trp Ala Ser Val Leu Arg Val Trp Asp Met Phe Phe			
	260	265	270
Cys Glu Gly Val Lys Ile Ile Phe Arg Val Ala Leu Val Leu Leu			
	275	280	285
Arg His Thr Leu Gly Ser Val Glu Lys Leu Arg Ser Cys Gln Gly			
	290	295	300
Met Tyr Glu Thr Met Glu Gln Leu Arg Asn Leu Pro Gln Gln Cys			
	305	310	315
Met Gln Glu Asp Phe Leu Val His Glu Val Thr Asn Leu Pro Val			
	320	325	330
Thr Glu Ala Leu Ile Glu Arg Glu Asn Ala Ala Gln Leu Lys Lys			
	335	340	345
Trp Arg Glu Thr Arg Gly Glu Leu Gln Tyr Arg Pro Ser Arg Arg			
	350	355	360
Leu His Gly Ser Arg Ala Ile His Glu Glu Arg Arg Arg Gln Gln			
	365	370	375
Pro Pro Leu Gly Pro Ser Ser Ser Leu Leu Ser Leu Pro Gly Leu			
	380	385	390
Lys Ser Arg Gly Ser Arg Ala Ala Gly Gly Ala Pro Ser Pro Pro			
	395	400	405
Pro Pro Val Arg Arg Ala Ser Ala Gly Pro Ala Pro Gly Pro Val			
	410	415	420
Val Thr Ala Glu Gly Leu His Pro Ser Leu Pro Ser Pro Thr Gly			
	425	430	435
Asn Ser Thr Pro Leu Gly Ser Ser Lys Glu Thr Arg Lys Gln Glu			
	440	445	450
Lys Glu Arg Gln Lys Gln Glu Lys Glu Arg Gln Lys Gln Glu Lys			
	455	460	465
Glu Arg Glu Lys Glu Arg Gln Lys Gln Glu Lys Glu Arg Glu Lys			
	470	475	480

Gln Glu Lys Glu Arg Glu Lys Gln Glu Lys Glu Arg Gln Lys Gln  
 485 490 495  
 Glu Lys Lys Ala Gln Gly Arg Lys Leu Ser Leu Arg Arg Lys Ala  
 500 505 510  
 Asp Gly Pro Pro Gly Pro His Asp Gly Gly Asp Arg Pro Ser Ala  
 515 520 525  
 Glu Ala Arg Gln Asp Ala Tyr Phe  
 530

<210> 12  
 <211> 160  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 3215187CD1

<400> 12  
 Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ser Leu Val  
 1 5 10 15  
 Leu Cys Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala  
 20 25 30  
 Phe Asp Glu Leu Arg Thr Asp Phe Lys Ser Pro Ile Asp Gln Cys  
 35 40 45  
 Asn Pro Val His Ala Arg Glu Arg Leu Arg Asn Ile Glu Arg Ile  
 50 55 60  
 Cys Phe Leu Leu Arg Lys Leu Val Leu Pro Glu Tyr Ser Ile His  
 65 70 75  
 Ser Leu Phe Cys Ile Met Phe Leu Cys Ala Gln Glu Trp Leu Thr  
 80 85 90  
 Leu Gly Leu Asn Val Pro Leu Leu Phe Tyr His Phe Trp Arg Tyr  
 95 100 105  
 Phe His Cys Pro Ala Asp Ser Ser Glu Leu Ala Tyr Asp Pro Pro  
 110 115 120  
 Val Val Met Asn Ala Asp Thr Leu Ser Tyr Cys Gln Lys Glu Ala  
 125 130 135  
 Trp Cys Lys Leu Ala Phe Tyr Leu Leu Ser Phe Phe Tyr Tyr Leu  
 140 145 150  
 Tyr Cys Met Ile Tyr Thr Leu Val Ser Ser  
 155 160

<210> 13  
 <211> 531  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 3500375CD1

<400> 13  
 Met Ala Asp Val Leu Ser Val Leu Arg Gln Tyr Asn Ile Gln Lys  
 1 5 10 15  
 Lys Glu Ile Val Val Lys Gly Asp Glu Val Ile Phe Gly Glu Phe  
 20 25 30  
 Ser Trp Pro Lys Asn Val Lys Thr Asn Tyr Val Val Trp Gly Thr  
 35 40 45  
 Gly Lys Glu Gly Gln Pro Arg Glu Tyr Tyr Thr Leu Asp Ser Ile  
 50 55 60  
 Leu Phe Leu Leu Asn Asn Val His Leu Ser His Pro Val Tyr Val  
 65 70 75  
 Arg Arg Ala Ala Thr Glu Asn Ile Pro Val Val Arg Arg Pro Asp  
 80 85 90  
 Arg Lys Asp Leu Leu Gly Tyr Leu Asn Gly Glu Ala Ser Thr Ser

Ala Ser Ile Asp	95	Ser Ala Pro Leu	100	Glu Ile Gly Leu Gln Arg	105
Ser Thr Gln Val	110	Lys Arg Ala Ala Asp	115	Glu Val Leu Ala Glu Ala	120
Lys Lys Pro Arg	125	Ile Glu Asp Glu Glu	130	Cys Val Arg Leu Asp Lys	135
Glu Arg Leu Ala	140	Ala Arg Leu Glu Gly	145	His Lys Glu Gly Ile Val	150
Gln Thr Glu Gln	155	Ile Arg Ser Leu Ser	160	Glu Ala Met Ser Val Glu	165
Lys Ile Ala Ala	170	Ile Lys Ala Lys Ile	175	Met Ala Lys Lys Arg Ser	180
Thr Ile Lys Thr	185	Asp Leu Asp Asp Asp	190	Ile Thr Ala Leu Lys Gln	195
Arg Ser Phe Val	200	Asp Ala Glu Val Asp	205	Val Thr Arg Asp Ile Val	210
Ser Arg Glu Arg	215	Val Trp Arg Thr Arg	220	Thr Thr Ile Leu Gln Ser	225
Thr Gly Lys Asn	230	Phe Ser Lys Asn Ile	235	Phe Ala Ile Leu Gln Ser	240
Val Lys Ala Arg	245	Glu Glu Gly Arg Ala	250	Pro Glu Gln Arg Pro Ala	255
Pro Asn Ala Ala	260	Pro Val Asp Pro Thr	265	Leu Arg Thr Lys Gln Pro	270
Ile Pro Ala Ala	275	Tyr Asn Arg Tyr Asp	280	Gln Glu Arg Phe Lys Gly	285
Lys Glu Glu Thr	290	Glu Gly Phe Lys Ile	295	Asp Thr Met Gly Thr Tyr	300
His Gly Met Thr	305	Leu Lys Ser Val Thr	310	Glu Gly Ala Ser Ala Arg	315
Lys Thr Gln Thr	320	Pro Ala Ala Gln Pro	325	Val Pro Arg Pro Val Ser	330
Gln Ala Arg Pro	335	Pro Pro Asn Gln Lys	340	Lys Gly Ser Arg Thr Pro	345
Ile Ile Ile Ile	350	Pro Ala Ala Thr Thr	355	Ser Leu Ile Thr Met Leu	360
Asn Ala Lys Asp	365	Leu Leu Gln Asp Leu	370	Lys Phe Val Pro Ser Asp	375
Glu Lys Lys Lys	380	Gln Gly Cys Gln Arg	385	Glu Asn Glu Thr Leu Ile	390
Gln Arg Arg Lys	395	Asp Gln Met Gln Pro	400	Gly Gly Thr Ala Ile Ser	405
Val Thr Val Pro	410	Tyr Arg Val Val Asp	415	Gln Pro Leu Lys Leu Met	420
Pro Gln Asp Trp	425	Asp Arg Val Val Ala	430	Val Phe Val Gln Gly Pro	435
Ala Trp Gln Phe	440	Lys Gly Trp Pro Trp	445	Leu Leu Pro Asp Gly Ser	450
Pro Val Asp Ile	455	Phe Ala Lys Ile Lys	460	Ala Phe His Leu Lys Tyr	465
Asp Glu Val Arg	470	Leu Asp Pro Asn Val	475	Gln Lys Trp Asp Val Thr	480
Val Leu Glu Leu	485	Ser Tyr His Lys Arg	490	His Leu Asp Arg Pro Val	495
Phe Leu Arg Phe	500	Trp Glu Thr Leu Asp	505	Arg Tyr Met Val Lys His	510
Lys Ser His Leu	515	Arg Phe	520		525
	530				

&lt;210&gt; 14

&lt;211&gt; 165

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5080410CD1

&lt;400&gt; 14

Met	Ala	Ser	Met	Arg	Glu	Ser	Asp	Thr	Gly	Leu	Trp	Leu	His	Asn
1				5					10					15
Lys	Leu	Gly	Ala	Thr	Asp	Glu	Leu	Trp	Ala	Pro	Pro	Ser	Ile	Ala
				20					25					30
Ser	Leu	Leu	Thr	Ala	Ala	Val	Ile	Asp	Asn	Ile	Arg	Leu	Cys	Phe
				35					40					45
His	Gly	Leu	Ser	Ser	Ala	Val	Lys	Leu	Lys	Leu	Leu	Leu	Gly	Thr
				50					55					60
Leu	His	Leu	Pro	Arg	Arg	Thr	Val	Asp	Glu	His	Pro	Ile	Leu	Pro
				65					70					75
Met	Lys	Gly	Ala	Leu	Met	Glu	Ile	Ile	Gln	Leu	Ala	Ser	Leu	Asp
				80					85					90
Ser	Asp	Pro	Trp	Val	Leu	Met	Val	Ala	Asp	Ile	Leu	Lys	Ser	Phe
				95					100					105
Pro	Asp	Thr	Gly	Ser	Leu	Asn	Leu	Glu	Leu	Glu	Glu	Gln	Asn	Pro
				110					115					120
Asn	Val	Gln	Asp	Ile	Leu	Gly	Glu	Leu	Arg	Glu	Lys	Val	Gly	Glu
				125					130					135
Cys	Glu	Ala	Ser	Ala	Met	Leu	Pro	Leu	Glu	Cys	Gln	Tyr	Leu	Asn
				140					145					150
Lys	Asn	Ala	Ala	Asp	Asp	Pro	Arg	Gly	Thr	Pro	His	Ser	Pro	Gly
				155					160					165

&lt;210&gt; 15

&lt;211&gt; 199

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5218248CD1

&lt;400&gt; 15

Met	Ser	Asn	Met	Glu	Lys	His	Leu	Phe	Asn	Leu	Lys	Phe	Ala	Ala
1				5					10					15
Lys	Glu	Leu	Ser	Arg	Ser	Ala	Lys	Lys	Cys	Asp	Lys	Glu	Glu	Lys
				20					25					30
Ala	Glu	Lys	Ala	Lys	Ile	Lys	Lys	Ala	Ile	Gln	Lys	Gly	Asn	Met
				35					40					45
Glu	Val	Ala	Arg	Ile	His	Ala	Glu	Asn	Ala	Ile	Arg	Gln	Lys	Asn
				50					55					60
Gln	Ala	Val	Asn	Phe	Leu	Arg	Met	Ser	Ala	Arg	Val	Asp	Ala	Val
				65					70					75
Ala	Ala	Arg	Val	Gln	Thr	Ala	Val	Thr	Met	Gly	Lys	Val	Thr	Lys
				80					85					90
Ser	Met	Ala	Gly	Val	Val	Lys	Ser	Met	Asp	Ala	Thr	Leu	Lys	Thr
				95					100					105
Met	Asn	Leu	Glu	Lys	Ile	Ser	Ala	Leu	Met	Asp	Lys	Phe	Glu	His
				110					115					120
Gln	Phe	Glu	Thr	Leu	Asp	Val	Gln	Thr	Gln	Gln	Met	Glu	Asp	Thr
				125					130					135
Met	Ser	Ser	Thr	Thr	Thr	Leu	Thr	Thr	Pro	Gln	Asn	Gln	Val	Asp
				140					145					150
Met	Leu	Leu	Gln	Glu	Met	Ala	Asp	Glu	Ala	Gly	Leu	Asp	Leu	Asn
				155					160					165
Met	Glu	Leu	Pro	Gln	Gly	Gln	Thr	Gly	Ser	Val	Gly	Thr	Ser	Val
				170					175					180
Ala	Ser	Ala	Glu	Gln	Asp	Glu	Leu	Ser	Gln	Arg	Leu	Ala	Arg	Leu

Arg Asp Gln Val 185 190 195

<210> 16  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 058336CD1

<400> 16  
 Met Ala Phe Asn Asp Cys Phe Ser Leu Asn Tyr Pro Gly Asn Pro  
 1 5 10 15  
 Cys Pro Gly Asp Leu Ile Glu Val Phe Arg Pro Gly Tyr Gln His  
 20 25 30  
 Trp Ala Leu Tyr Leu Gly Asp Gly Tyr Val Ile Asn Ile Ala Pro  
 35 40 45  
 Val Asp Gly Ile Pro Ala Ser Phe Thr Ser Ala Lys Ser Val Phe  
 50 55 60  
 Ser Ser Lys Ala Leu Val Lys Met Gln Leu Leu Lys Asp Val Val  
 65 70 75  
 Gly Asn Asp Thr Tyr Arg Ile Asn Asn Lys Tyr Asp Glu Thr Tyr  
 80 85 90  
 Pro Pro Leu Pro Val Glu Glu Ile Ile Lys Arg Ser Glu Phe Val  
 95 100 105  
 Ile Gly Gln Glu Val Ala Tyr Asn Leu Leu Val Asn Asn Cys Glu  
 110 115 120  
 His Phe Val Thr Leu Leu Arg Tyr Gly Glu Gly Val Ser Glu Gln  
 125 130 135  
 Ala Asn Arg Ala Ile Ser Thr Val Glu Phe Val Thr Ala Ala Val  
 140 145 150  
 Gly Val Phe Ser Phe Leu Gly Leu Phe Pro Lys Gly Gln Arg Ala  
 155 160 165  
 Lys Tyr Tyr

<210> 17  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1511488CD1

<400> 17  
 Met Leu Arg Ala Val Gly Ser Leu Leu Arg Leu Gly Arg Gly Leu  
 1 5 10 15  
 Thr Val Arg Cys Gly Pro Gly Ala Pro Leu Glu Ala Thr Arg Arg  
 20 25 30  
 Pro Ala Pro Ala Leu Pro Pro Arg Gly Leu Pro Cys Tyr Ser Ser  
 35 40 45  
 Gly Gly Ala Pro Ser Asn Ser Gly Pro Gln Gly His Gly Glu Ile  
 50 55 60  
 His Arg Val Pro Thr Gln Arg Arg Pro Ser Gln Phe Asp Lys Lys  
 65 70 75  
 Ile Leu Leu Trp Thr Gly Arg Phe Lys Ser Met Glu Glu Ile Pro  
 80 85 90  
 Pro Arg Ile Pro Pro Glu Met Ile Asp Thr Ala Arg Asn Lys Ala  
 95 100 105  
 Arg Val Lys Ala Cys Tyr Ile Met Ile Gly Leu Thr Ile Ile Ala  
 110 115 120

Cys Phe Ala Val Ile Val Ser Ala Lys Arg Ala Val Glu Arg His  
 125 130 135  
 Glu Ser Leu Thr Ser Trp Asn Leu Ala Lys Lys Ala Lys Trp Arg  
 140 145 150  
 Glu Glu Ala Ala Leu Ala Ala Gln Ala Lys Ala Lys  
 155 160

&lt;210&gt; 18

&lt;211&gt; 246

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1638819CD1

&lt;400&gt; 18

Met Ala Gly Tyr Leu Lys Leu Val Cys Val Ser Phe Gln Arg Gln  
 1 5 10 15  
 Gly Phe His Thr Val Gly Ser Arg Cys Lys Asn Arg Thr Gly Ala  
 20 25 30  
 Glu His Leu Trp Leu Thr Arg His Leu Arg Asp Pro Phe Val Lys  
 35 40 45  
 Ala Ala Lys Val Glu Ser Tyr Arg Cys Arg Ser Ala Phe Lys Leu  
 50 55 60  
 Leu Glu Val Asn Glu Arg His Gln Ile Leu Arg Pro Gly Leu Arg  
 65 70 75  
 Val Leu Asp Cys Gly Ala Ala Pro Gly Ala Trp Ser Gln Val Ala  
 80 85 90  
 Val Gln Lys Val Asn Ala Ala Gly Thr Asp Pro Ser Ser Pro Val  
 95 100 105  
 Gly Phe Val Leu Gly Val Asp Leu Leu His Ile Phe Pro Leu Glu  
 110 115 120  
 Gly Ala Thr Phe Leu Cys Pro Ala Asp Val Thr Asp Pro Arg Thr  
 125 130 135  
 Ser Gln Arg Ile Leu Glu Val Leu Pro Gly Arg Arg Ala Asp Val  
 140 145 150  
 Ile Leu Ser Asp Met Ala Pro Asn Ala Thr Gly Phe Arg Asp Leu  
 155 160 165  
 Asp His Asp Arg Leu Ile Ser Leu Cys Leu Thr Leu Leu Ser Val  
 170 175 180  
 Thr Pro Asp Ile Leu Gln Pro Gly Gly Thr Phe Leu Cys Lys Thr  
 185 190 195  
 Trp Ala Gly Ser Gln Ser Arg Arg Leu Gln Arg Arg Leu Thr Glu  
 200 205 210  
 Glu Phe Gln Asn Val Arg Ile Ile Lys Pro Glu Ala Ser Arg Lys  
 215 220 225  
 Glu Ser Ser Glu Val Tyr Phe Leu Ala Thr Gln Tyr His Gly Arg  
 230 235 240  
 Lys Gly Thr Val Lys Gln  
 245

&lt;210&gt; 19

&lt;211&gt; 483

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1655123CD1

&lt;400&gt; 19

Met Glu Glu Gly Gly Gly Gly Val Arg Ser Leu Val Pro Gly Gly  
 1 5 10 15  
 Pro Val Leu Leu Val Leu Cys Gly Leu Leu Glu Ala Ser Gly Gly

				20					25					30
Gly	Arg	Ala	Leu	Pro	Gln	Leu	Ser	Asp	Asp	Ile	Pro	Phe	Arg	Val
				35					40					45
Asn	Trp	Pro	Gly	Thr	Glu	Phe	Ser	Leu	Pro	Thr	Thr	Gly	Val	Leu
				50					55					60
Tyr	Lys	Glu	Asp	Asn	Tyr	Val	Ile	Met	Thr	Thr	Ala	His	Lys	Glu
				65					70					75
Lys	Tyr	Lys	Cys	Ile	Leu	Pro	Leu	Val	Thr	Ser	Gly	Asp	Glu	Glu
				80					85					90
Glu	Glu	Lys	Asp	Tyr	Lys	Gly	Pro	Asn	Pro	Arg	Glu	Leu	Leu	Glu
				95					100					105
Pro	Leu	Phe	Lys	Gln	Ser	Ser	Cys	Ser	Tyr	Arg	Ile	Glu	Ser	Tyr
				110					115					120
Trp	Thr	Tyr	Glu	Val	Cys	His	Gly	Lys	His	Ile	Arg	Gln	Tyr	His
				125					130					135
Glu	Glu	Lys	Glu	Thr	Gly	Gln	Lys	Ile	Asn	Ile	His	Glu	Tyr	Tyr
				140					145					150
Leu	Gly	Asn	Met	Leu	Ala	Lys	Asn	Leu	Leu	Phe	Glu	Lys	Glu	Arg
				155					160					165
Glu	Ala	Glu	Glu	Lys	Glu	Lys	Ser	Asn	Glu	Ile	Pro	Thr	Lys	Asn
				170					175					180
Ile	Glu	Gly	Gln	Met	Thr	Pro	Tyr	Tyr	Pro	Val	Gly	Met	Gly	Asn
				185					190					195
Gly	Thr	Pro	Cys	Ser	Leu	Lys	Gln	Asn	Arg	Pro	Arg	Ser	Ser	Thr
				200					205					210
Val	Met	Tyr	Ile	Cys	His	Pro	Glu	Ser	Lys	His	Glu	Ile	Leu	Ser
				215					220					225
Val	Ala	Glu	Val	Thr	Thr	Cys	Glu	Tyr	Glu	Val	Val	Ile	Leu	Thr
				230					235					240
Pro	Leu	Leu	Cys	Ser	His	Pro	Lys	Tyr	Arg	Phe	Arg	Ala	Ser	Pro
				245					250					255
Val	Asn	Asp	Ile	Phe	Cys	Gln	Ser	Leu	Pro	Gly	Ser	Pro	Phe	Lys
				260					265					270
Pro	Leu	Thr	Leu	Arg	Gln	Leu	Glu	Gln	Gln	Glu	Glu	Ile	Leu	Arg
				275					280					285
Val	Pro	Phe	Arg	Arg	Asn	Lys	Glu	Glu	Asp	Leu	Gln	Ser	Thr	Lys
				290					295					300
Glu	Glu	Arg	Phe	Pro	Ala	Ile	His	Lys	Ser	Ile	Ala	Ile	Gly	Ser
				305					310					315
Gln	Pro	Val	Leu	Thr	Val	Gly	Thr	Thr	His	Ile	Ser	Lys	Leu	Thr
				320					325					330
Asp	Asp	Gln	Leu	Ile	Lys	Glu	Phe	Leu	Ser	Gly	Ser	Tyr	Cys	Phe
				335					340					345
Arg	Gly	Gly	Val	Gly	Trp	Trp	Lys	Tyr	Glu	Phe	Cys	Tyr	Gly	Lys
				350					355					360
His	Val	His	Gln	Tyr	His	Glu	Asp	Lys	Asp	Ser	Gly	Lys	Thr	Ser
				365					370					375
Val	Val	Val	Gly	Thr	Trp	Asn	Gln	Glu	Glu	His	Ile	Glu	Trp	Ala
				380					385					390
Lys	Lys	Asn	Thr	Ala	Arg	Ala	Tyr	His	Leu	Gln	Asp	Asp	Gly	Thr
				395					400					405
Gln	Thr	Val	Arg	Met	Val	Ser	His	Phe	Tyr	Gly	Asn	Gly	Asp	Ile
				410					415					420
Cys	Asp	Ile	Thr	Asp	Lys	Pro	Arg	Gln	Val	Thr	Val	Lys	Leu	Lys
				425					430					435
Cys	Lys	Glu	Ser	Asp	Ser	Pro	His	Ala	Val	Thr	Val	Tyr	Met	Leu
				440					445					450
Glu	Pro	His	Ser	Cys	Gln	Tyr	Ile	Leu	Gly	Val	Glu	Ser	Pro	Val
				455					460					465
Ile	Cys	Lys	Ile	Leu	Asp	Thr	Ala	Asp	Glu	Asn	Gly	Leu	Leu	Ser
				470					475					480
Leu	Pro	Asn												

<210> 20  
 <211> 280  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2553926CD1

<400> 20  
 Met Glu Ala Ala Glu Thr Glu Ala Glu Ala Ala Ala Leu Glu Val  
 1 5 10 15  
 Leu Ala Glu Val Ala Gly Ile Leu Glu Pro Val Gly Leu Gln Glu  
 20 25 30  
 Glu Ala Glu Leu Pro Ala Lys Ile Leu Val Glu Phe Val Val Asp  
 35 40 45  
 Ser Gln Lys Lys Asp Lys Leu Leu Cys Ser Gln Leu Gln Val Ala  
 50 55 60  
 Asp Phe Leu Gln Asn Ile Leu Ala Gln Glu Asp Thr Ala Lys Gly  
 65 70 75  
 Leu Asp Pro Leu Ala Ser Glu Asp Thr Ser Arg Gln Lys Ala Ile  
 80 85 90  
 Ala Ala Lys Glu Gln Trp Lys Glu Leu Lys Ala Thr Tyr Arg Glu  
 95 100 105  
 His Val Glu Ala Ile Lys Ile Gly Leu Thr Lys Ala Leu Thr Gln  
 110 115 120  
 Met Glu Glu Ala Gln Arg Lys Arg Thr Gln Leu Arg Glu Ala Phe  
 125 130 135  
 Glu Gln Leu Gln Ala Lys Lys Gln Met Ala Met Glu Lys Arg Arg  
 140 145 150  
 Ala Val Gln Asn Gln Trp Gln Leu Gln Gln Glu Lys His Leu Gln  
 155 160 165  
 His Leu Ala Glu Val Ser Ala Glu Val Arg Glu Arg Lys Thr Gly  
 170 175 180  
 Thr Gln Gln Glu Leu Asp Gly Val Phe Gln Lys Leu Gly Asn Leu  
 185 190 195  
 Lys Gln Gln Ala Glu Gln Glu Arg Asp Lys Leu Gln Arg Tyr Gln  
 200 205 210  
 Thr Phe Leu Gln Leu Leu Tyr Thr Leu Gln Gly Lys Leu Leu Phe  
 215 220 225  
 Pro Glu Ala Glu Ala Glu Ala Glu Asn Leu Pro Asp Asp Lys Pro  
 230 235 240  
 Gln Gln Pro Thr Arg Pro Gln Glu Gln Ser Thr Gly Asp Thr Met  
 245 250 255  
 Gly Arg Asp Pro Gly Val Ser Phe Lys Phe Ser Lys Ala Val Gly  
 260 265 270  
 Leu Gln Pro Ala Gly Asp Val Asn Leu Pro  
 275 280

<210> 21  
 <211> 425  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2800717CD1

<400> 21  
 Met Gly Glu Asp Ala Ala Gln Ala Glu Lys Phe Gln His Pro Gly  
 1 5 10 15  
 Ser Asp Met Arg Gln Glu Lys Pro Ser Ser Pro Ser Pro Met Pro  
 20 25 30  
 Ser Ser Thr Pro Ser Pro Ser Leu Asn Leu Gly Asn Thr Glu Glu

Ala	Ile	Arg	Asp	35	Asn	Ser	Gln	Val	40	Asn	Ala	Val	Thr	Val	Leu	Thr	45
				50					55								60
Leu	Leu	Asp	Lys	65	Leu	Val	Asn	Met	70	Leu	Asp	Ala	Val	Gln	Glu	Asn	75
Gln	His	Lys	Met	80	Glu	Gln	Arg	Gln	85	Ile	Ser	Leu	Glu	Gly	Ser	Val	90
Lys	Gly	Ile	Gln	95	Asn	Asp	Leu	Thr	100	Lys	Leu	Ser	Lys	Tyr	Gln	Ala	105
Ser	Thr	Ser	Asn	110	Thr	Val	Ser	Lys	115	Leu	Leu	Glu	Lys	Ser	Arg	Lys	120
Val	Ser	Ala	His	125	Thr	Arg	Ala	Val	130	Lys	Glu	Arg	Met	Asp	Arg	Gln	135
Cys	Ala	Gln	Val	140	Lys	Arg	Leu	Glu	145	Asn	Asn	His	Ala	Gln	Leu	Leu	150
Arg	Arg	Asn	His	155	Phe	Lys	Val	Leu	160	Ile	Phe	Gln	Glu	Glu	Asn	Glu	165
Ile	Pro	Ala	Ser	170	Val	Phe	Val	Lys	175	Gln	Pro	Val	Ser	Gly	Ala	Val	180
Glu	Gly	Lys	Glu	185	Glu	Leu	Pro	Asp	190	Glu	Asn	Lys	Ser	Leu	Glu	Glu	195
Thr	Leu	His	Thr	200	Val	Asp	Leu	Ser	205	Ser	Asp	Asp	Leu	Pro	His		210
Asp	Glu	Glu	Ala	215	Leu	Glu	Asp	Ser	220	Ala	Glu	Glu	Lys	Val	Glu	Glu	225
Ser	Arg	Ala	Glu	230	Lys	Ile	Lys	Arg	235	Ser	Ser	Leu	Lys	Lys	Val	Asp	240
Ser	Leu	Lys	Lys	245	Ala	Phe	Ser	Arg	250	Gln	Asn	Ile	Glu	Lys	Lys	Met	255
Asn	Lys	Leu	Gly	260	Thr	Lys	Ile	Val	265	Ser	Val	Glu	Arg	Arg	Glu	Lys	270
Ile	Lys	Lys	Ser	275	Leu	Thr	Ser	Asn	280	His	Gln	Lys	Ile	Ser	Ser	Gly	285
Lys	Ser	Ser	Pro	290	Phe	Lys	Val	Ser	295	Pro	Leu	Thr	Phe	Gly	Arg	Lys	300
Lys	Val	Arg	Glu	305	Gly	Glu	Ser	His	310	Ala	Glu	Asn	Glu	Thr	Lys	Ser	315
Glu	Asp	Leu	Pro	320	Ser	Ser	Glu	Gln	325	Met	Pro	Asn	Asp	Gln	Glu	Glu	330
Glu	Ser	Phe	Ala	335	Glu	Gly	His	Ser	340	Glu	Ala	Ser	Leu	Ala	Ser	Ala	345
Leu	Val	Glu	Gly	350	Glu	Ile	Ala	Glu	355	Glu	Ala	Ala	Glu	Lys	Ala	Thr	360
Ser	Arg	Gly	Ser	365	Asn	Ser	Gly	Met	370	Asp	Ser	Asn	Ile	Asp	Leu	Thr	375
Ile	Val	Glu	Asp	380	Glu	Glu	Glu	Glu	385	Ser	Val	Ala	Leu	Glu	Gln	Ala	390
Gln	Lys	Val	Arg	395	Tyr	Glu	Gly	Ser	400	Tyr	Ala	Leu	Thr	Ser	Glu	Glu	405
Ala	Glu	Arg	Ser	410	Asp	Gly	Asp	Pro	415	Val	Gln	Pro	Ala	Val	Leu	Gln	420
Val	His	Gln	Thr	425	Ser												

&lt;210&gt; 22

&lt;211&gt; 128

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5664154CD1

&lt;400&gt; 22

```

Met Glu Ser Lys Glu Glu Arg Ala Leu Asn Asn Leu Ile Val Glu
 1      5      10      15
Asn Val Asn Gln Glu Asn Asp Glu Lys Asp Glu Lys Glu Gln Val
      20      25      30
Ala Asn Lys Gly Glu Pro Leu Ala Leu Pro Leu Asn Val Ser Glu
      35      40      45
Tyr Cys Val Pro Arg Gly Asn Arg Arg Arg Phe Arg Val Arg Gln
      50      55      60
Pro Ile Leu Gln Tyr Arg Trp Asp Ile Met His Arg Leu Gly Glu
      65      70      75
Pro Gln Ala Arg Met Arg Glu Glu Asn Met Glu Arg Ile Gly Glu
      80      85      90
Glu Val Arg Gln Leu Met Glu Lys Leu Arg Glu Lys Gln Leu Ser
      95      100      105
His Ser Leu Arg Ala Val Ser Thr Asp Pro Pro His His Asp His
      110      115      120
His Asp Glu Phe Cys Leu Met Pro
      125

```

<210> 23  
 <211> 113  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 017900CD1

```

<400> 23
Met Asp Gly Arg Val Gln Leu Ile Lys Ala Leu Leu Ala Leu Pro
 1      5      10      15
Ile Arg Pro Ala Thr Arg Arg Trp Arg Asn Pro Ile Pro Phe Pro
      20      25      30
Glu Thr Phe Asp Gly Asp Thr Asp Arg Leu Pro Glu Phe Ile Val
      35      40      45
Gln Thr Gly Ser Tyr Met Phe Val Asp Glu Asn Thr Phe Ser Ser
      50      55      60
Asp Ala Leu Lys Val Thr Phe Leu Ile Thr Arg Leu Thr Gly Pro
      65      70      75
Ala Leu Gln Trp Val Ile Pro Tyr Ile Lys Lys Glu Ser Pro Leu
      80      85      90
Leu Asn Asp Tyr Arg Gly Phe Leu Ala Glu Met Lys Arg Val Phe
      95      100      105
Gly Trp Glu Glu Asp Glu Asp Phe
      110

```

<210> 24  
 <211> 308  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 035102CD1

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<400> 24
Met Leu Gln Thr Pro Glu Ser Arg Gly Leu Pro Val Pro Gln Ala
 1      5      10      15
Glu Gly Glu Lys Asp Gly Gly His Asp Gly Glu Thr Arg Ala Pro
      20      25      30
Thr Ala Ser Gln Glu Arg Pro Lys Glu Glu Leu Gly Ala Gly Arg
      35      40      45
Glu Glu Gly Ala Ala Glu Pro Ala Leu Thr Arg Lys Gly Ala Arg
      50      55      60
Ala Leu Ala Ala Lys Ser Leu Ala Arg Arg Arg Ala Tyr Arg Arg

```

				65					70					75
Leu	Asn	Arg	Thr	Val	Ala	Glu	Leu	Val	Gln	Phe	Leu	Leu	Val	Lys
				80					85					90
Asp	Lys	Lys	Lys	Ser	Pro	Ile	Thr	Arg	Ser	Glu	Met	Val	Lys	Tyr
				95					100					105
Val	Ile	Gly	Asp	Leu	Lys	Ile	Leu	Phe	Pro	Asp	Ile	Ile	Ala	Arg
				110					115					120
Ala	Ala	Glu	His	Leu	Arg	Tyr	Val	Phe	Gly	Phe	Glu	Leu	Lys	Gln
				125					130					135
Phe	Asp	Arg	Lys	His	His	Thr	Tyr	Ile	Leu	Ile	Asn	Lys	Leu	Lys
				140					145					150
Pro	Leu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Asp	Leu	Gly	Gly	Asp	Gly
				155					160					165
Pro	Arg	Leu	Gly	Leu	Leu	Met	Met	Ile	Leu	Gly	Leu	Ile	Tyr	Met
				170					175					180
Arg	Gly	Asn	Ser	Ala	Arg	Glu	Ala	Gln	Val	Trp	Glu	Met	Leu	Arg
				185					190					195
Arg	Leu	Gly	Val	Gln	Pro	Ser	Lys	Tyr	His	Phe	Leu	Phe	Gly	Tyr
				200					205					210
Pro	Lys	Arg	Leu	Ile	Met	Glu	Asp	Phe	Val	Gln	Gln	Arg	Tyr	Leu
				215					220					225
Ser	Tyr	Arg	Arg	Val	Pro	His	Thr	Asn	Pro	Pro	Ala	Tyr	Glu	Phe
				230					235					240
Ser	Trp	Gly	Pro	Arg	Ser	Asn	Leu	Glu	Ile	Ser	Lys	Met	Glu	Val
				245					250					255
Leu	Gly	Phe	Val	Ala	Lys	Leu	His	Lys	Lys	Glu	Pro	Gln	His	Trp
				260					265					270
Pro	Val	Gln	Tyr	Arg	Glu	Ala	Leu	Ala	Asp	Glu	Ala	Asp	Arg	Ala
				275					280					285
Arg	Ala	Lys	Ala	Arg	Ala	Glu	Ala	Ser	Met	Arg	Ala	Arg	Ala	Ser
				290					295					300
Ala	Arg	Ala	Gly	Ile	His	Leu	Trp							
				305										

&lt;210&gt; 25

&lt;211&gt; 221

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 259983CD1

&lt;400&gt; 25

Met	Phe	Gly	Phe	His	Lys	Pro	Lys	Met	Tyr	Arg	Ser	Ile	Glu	Gly
1				5					10					15
Cys	Cys	Ile	Cys	Arg	Ala	Lys	Ser	Ser	Ser	Ser	Arg	Phe	Thr	Asp
				20					25					30
Ser	Lys	Arg	Tyr	Glu	Lys	Asp	Phe	Gln	Ser	Cys	Phe	Gly	Leu	His
				35					40					45
Glu	Thr	Arg	Ser	Gly	Asp	Ile	Cys	Asn	Ala	Cys	Val	Leu	Leu	Val
				50					55					60
Lys	Arg	Trp	Lys	Lys	Leu	Pro	Ala	Gly	Ser	Lys	Lys	Asn	Trp	Asn
				65					70					75
His	Val	Val	Asp	Ala	Arg	Ala	Gly	Pro	Ser	Leu	Lys	Thr	Thr	Leu
				80					85					90
Lys	Pro	Lys	Lys	Val	Lys	Thr	Leu	Ser	Gly	Asn	Arg	Ile	Lys	Ser
				95					100					105
Asn	Gln	Ile	Ser	Lys	Leu	Gln	Lys	Glu	Phe	Lys	Arg	His	Asn	Ser
				110					115					120
Asp	Ala	His	Ser	Thr	Thr	Ser	Ser	Ala	Ser	Pro	Ala	Gln	Ser	Pro
				125					130					135
Cys	Tyr	Ser	Asn	Gln	Ser	Asp	Asp	Gly	Ser	Asp	Thr	Glu	Met	Ala
				140					145					150

Ser Gly Ser Asn Arg Thr Pro Val Phe Ser Phe Leu Asp Leu Thr  
 155 160 165  
 Tyr Trp Lys Arg Gln Lys Ile Cys Cys Gly Ile Ile Tyr Lys Gly  
 170 175 180  
 Arg Phe Gly Glu Val Leu Ile Asp Thr His Leu Phe Lys Pro Cys  
 185 190 195  
 Cys Ser Asn Lys Lys Ala Ala Ala Glu Lys Pro Glu Glu Gln Gly  
 200 205 210  
 Pro Glu Pro Leu Pro Ile Ser Thr Gln Glu Trp  
 215 220

&lt;210&gt; 26

&lt;211&gt; 402

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 926810CD1

&lt;400&gt; 26

Met Ala Ser Ile Ile Ala Arg Val Gly Asn Ser Arg Arg Leu Asn  
 1 5 10 15  
 Ala Pro Leu Pro Pro Trp Ala His Ser Met Leu Arg Ser Leu Gly  
 20 25 30  
 Arg Ser Leu Gly Pro Ile Met Ala Ser Met Ala Asp Arg Asn Met  
 35 40 45  
 Lys Leu Phe Ser Gly Arg Val Val Pro Ala Gln Gly Glu Glu Thr  
 50 55 60  
 Phe Glu Asn Trp Leu Thr Gln Val Asn Gly Val Leu Pro Asp Trp  
 65 70 75  
 Asn Met Ser Glu Glu Glu Lys Leu Lys Arg Leu Met Lys Thr Leu  
 80 85 90  
 Arg Gly Pro Ala Arg Glu Val Met Arg Val Leu Gln Ala Thr Asn  
 95 100 105  
 Pro Asn Leu Ser Val Ala Asp Phe Leu Arg Ala Met Lys Leu Val  
 110 115 120  
 Phe Gly Glu Ser Glu Ser Ser Val Thr Ala His Gly Lys Phe Phe  
 125 130 135  
 Asn Thr Leu Gln Ala Gln Gly Glu Lys Ala Ser Leu Tyr Val Ile  
 140 145 150  
 Arg Leu Glu Val Gln Leu Gln Asn Ala Ile Gln Ala Gly Ile Ile  
 155 160 165  
 Ala Glu Lys Asp Ala Asn Arg Thr Arg Leu Gln Gln Leu Leu Leu  
 170 175 180  
 Gly Gly Glu Leu Ser Arg Asp Leu Arg Leu Arg Leu Lys Asp Phe  
 185 190 195  
 Leu Arg Met Tyr Ala Asn Glu Gln Glu Arg Leu Pro Asn Phe Leu  
 200 205 210  
 Glu Leu Ile Arg Met Val Arg Glu Glu Glu Asp Trp Asp Asp Ala  
 215 220 225  
 Phe Ile Lys Arg Lys Arg Pro Lys Arg Ser Glu Ser Met Val Glu  
 230 235 240  
 Arg Ala Val Ser Pro Val Ala Phe Gln Gly Ser Pro Pro Ile Val  
 245 250 255  
 Ile Gly Ser Ala Asp Cys Asn Val Ile Glu Ile Asp Asp Thr Leu  
 260 265 270  
 Asp Asp Ser Asp Glu Asp Val Ile Leu Val Glu Ser Gln Asp Pro  
 275 280 285  
 Pro Leu Pro Ser Trp Gly Ala Pro Pro Leu Arg Asp Arg Ala Arg  
 290 295 300  
 Pro Gln Asp Glu Val Leu Val Ile Asp Ser Pro His Asn Ser Arg  
 305 310 315  
 Ala Gln Phe Pro Ser Thr Ser Gly Gly Ser Gly Tyr Lys Asn Asn

				320					325					330
Gly	Pro	Gly	Glu	Met	Arg	Arg	Ala	Arg	Lys	Arg	Lys	His	Thr	Ile
				335					340					345
Arg	Cys	Ser	Tyr	Cys	Gly	Glu	Glu	Gly	His	Ser	Lys	Glu	Thr	Cys
				350					355					360
Asp	Asn	Glu	Ser	Asp	Lys	Ala	Gln	Val	Phe	Glu	Asn	Leu	Ile	Ile
				365					370					375
Thr	Leu	Gln	Glu	Leu	Thr	His	Thr	Glu	Met	Glu	Arg	Ser	Arg	Val
				380					385					390
Ala	Pro	Gly	Glu	Tyr	Asn	Asp	Phe	Ser	Glu	Pro	Leu			
				395					400					

&lt;210&gt; 27

&lt;211&gt; 93

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1398816CD1

&lt;400&gt; 27

Met	Ser	Thr	Asp	Thr	Gly	Val	Ser	Leu	Pro	Ser	Tyr	Glu	Glu	Asp
1				5					10					15
Gln	Gly	Ser	Lys	Leu	Ile	Arg	Lys	Ala	Lys	Glu	Ala	Pro	Phe	Val
				20					25					30
Pro	Val	Gly	Ile	Ala	Gly	Phe	Ala	Ala	Ile	Val	Ala	Tyr	Gly	Leu
				35					40					45
Tyr	Lys	Leu	Lys	Ser	Arg	Gly	Asn	Thr	Lys	Met	Ser	Ile	His	Leu
				50					55					60
Ile	His	Met	Arg	Val	Ala	Ala	Gln	Gly	Phe	Val	Val	Gly	Ala	Met
				65					70					75
Thr	Val	Gly	Met	Gly	Tyr	Ser	Met	Tyr	Arg	Glu	Phe	Trp	Ala	Lys
				80					85					90
Pro	Lys	Pro												

&lt;210&gt; 28

&lt;211&gt; 353

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1496820CD1

&lt;400&gt; 28

Met	Asn	Arg	Glu	Asp	Arg	Asn	Val	Leu	Arg	Met	Lys	Glu	Arg	Glu
1				5					10					15
Arg	Arg	Asn	Gln	Glu	Ile	Gln	Gln	Gly	Glu	Asp	Ala	Phe	Pro	Pro
				20					25					30
Ser	Ser	Pro	Leu	Phe	Ala	Glu	Pro	Tyr	Lys	Val	Thr	Ser	Lys	Glu
				35					40					45
Asp	Lys	Leu	Ser	Ser	Arg	Ile	Gln	Ser	Met	Leu	Gly	Asn	Tyr	Asp
				50					55					60
Glu	Met	Lys	Asp	Phe	Ile	Gly	Asp	Arg	Ser	Ile	Pro	Lys	Leu	Val
				65					70					75
Ala	Ile	Pro	Lys	Pro	Thr	Val	Pro	Pro	Ser	Ala	Asp	Glu	Lys	Ser
				80					85					90
Asn	Pro	Asn	Phe	Phe	Glu	Gln	Arg	His	Gly	Gly	Ser	His	Gln	Ser
				95					100					105
Ser	Lys	Trp	Thr	Pro	Val	Gly	Pro	Ala	Pro	Ser	Thr	Ser	Gln	Ser
				110					115					120
Gln	Lys	Arg	Ser	Ser	Gly	Leu	Gln	Ser	Gly	His	Ser	Ser	Gln	Arg
				125					130					135

```

Thr Ser Ala Gly Ser Ser Ser Gly Thr Asn Ser Ser Gly Gln Arg
140 145 150
His Asp Arg Glu Ser Tyr Asn Asn Ser Gly Ser Ser Ser Arg Lys
155 160 165
Lys Gly Gln His Gly Ser Glu His Ser Lys Ser Arg Ser Ser Ser
170 175 180
Pro Gly Lys Pro Gln Ala Val Ser Ser Leu Asn Ser Ser His Ser
185 190 195
Arg Ser His Gly Asn Asp His His Ser Lys Glu His Gln Arg Ser
200 205 210
Lys Ser Pro Arg Asp Pro Asp Ala Asn Trp Asp Ser Pro Ser Arg
215 220 225
Val Pro Phe Ser Ser Gly Gln His Ser Thr Gln Ser Phe Pro Pro
230 235 240
Ser Leu Met Ser Lys Ser Asn Ser Met Leu Gln Lys Pro Thr Ala
245 250 255
Tyr Val Arg Pro Met Asp Gly Gln Glu Ser Met Glu Pro Lys Leu
260 265 270
Ser Ser Glu His Tyr Ser Ser Gln Ser His Gly Asn Ser Met Thr
275 280 285
Glu Leu Lys Pro Ser Ser Lys Ala His Leu Thr Lys Leu Lys Ile
290 295 300
Pro Ser Gln Pro Leu Asp Ala Ser Ala Ser Gly Asp Val Ser Cys
305 310 315
Val Asp Glu Ile Leu Lys Glu Met Thr His Ser Trp Pro Pro Pro
320 325 330
Leu Thr Ala Ile His Thr Pro Cys Lys Thr Glu Pro Ser Lys Phe
335 340 345
Pro Phe Pro Thr Lys Val Ser Lys
350

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<210> 29  
 <211> 120  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1514559CD1

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<400> 29
Met Ser Glu Pro Ala Gly Asp Val Arg Gln Asn Pro Cys Gly Ser
1 5 10 15
Lys Ala Cys Arg Arg Leu Phe Gly Pro Val Asp Ser Glu Gln Leu
20 25 30
Ser Arg Asp Cys Asp Ala Leu Met Ala Gly Cys Ile Gln Glu Ala
35 40 45
Arg Glu Arg Trp Asn Phe Asp Phe Val Thr Glu Thr Pro Leu Glu
50 55 60
Gly Asp Phe Ala Trp Glu Arg Val Arg Gly Leu Gly Leu Pro Lys
65 70 75
Leu Tyr Leu Pro Thr Trp Ser Ala Gly Trp Tyr Pro Leu Glu Gly
80 85 90
Cys Gly Ser Phe Pro Ser Leu Ser Gln Ala Val Met Lys Phe Thr
95 100 105
Pro Phe Pro Gly His Ser Asp Leu Asn Ser Phe Ser Phe Glu Lys
110 115 120

```

<210> 30  
 <211> 144  
 <212> PRT  
 <213> Homo sapiens

<220>

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1620092CD1

&lt;400&gt; 30

```

Met Arg Ser Cys Phe Arg Leu Cys Glu Arg Asp Val Ser Ser Ser
 1      5      10      15
Leu Arg Leu Thr Arg Ser Ser Asp Leu Lys Arg Ile Asn Gly Phe
 20      25      30
Cys Thr Lys Pro Gln Glu Ser Pro Gly Ala Pro Ser Arg Thr Tyr
 35      40      45
Asn Arg Val Pro Leu His Lys Pro Thr Asp Trp Gln Lys Lys Ile
 50      55      60
Leu Ile Trp Ser Gly Arg Phe Lys Lys Glu Asp Glu Ile Pro Glu
 65      70      75
Thr Val Ser Leu Glu Met Leu Asp Ala Ala Lys Asn Lys Met Arg
 80      85      90
Val Lys Ile Ser Tyr Leu Met Ile Ala Leu Thr Val Val Gly Cys
 95      100     105
Ile Phe Met Val Ile Glu Gly Lys Lys Ala Ala Gln Arg His Glu
 110     115     120
Thr Leu Thr Ser Leu Asn Leu Glu Lys Lys Ala Arg Leu Lys Glu
 125     130     135
Glu Ala Ala Met Lys Ala Lys Thr Glu
 140

```

&lt;210&gt; 31

&lt;211&gt; 933

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1678765CD1

&lt;400&gt; 31

```

Met Phe Tyr Leu Glu Asp Asp Lys Glu Asp Glu Val Val Cys Lys
 1      5      10      15
Gly Ser Leu Ser Lys Thr Gln Asp Val Tyr His Asp Lys Ser Pro
 20      25      30
Pro Gly Ile Leu Ser Gln Thr Met Asn Tyr Val Gly Gln Leu Ala
 35      40      45
Gly Gln Val Ile Val Thr Val Lys Glu Leu Tyr Lys Gly Ile Asn
 50      55      60
Gln Ala Thr Leu Ser Gly Cys Ile Asp Val Ile Val Val Gln Gln
 65      70      75
Gln Asp Gly Ser Tyr Gln Cys Ser Pro Phe His Val Arg Phe Gly
 80      85      90
Lys Leu Gly Val Leu Arg Ser Lys Glu Lys Val Ile Asp Ile Glu
 95      100     105
Ile Asn Gly Ser Ala Val Asp Leu His Met Lys Leu Gly Asp Asn
 110     115     120
Gly Glu Ala Phe Phe Val Glu Glu Thr Glu Glu Glu Tyr Glu Lys
 125     130     135
Leu Pro Ala Tyr Leu Ala Thr Ser Pro Ile Pro Thr Glu Asp Gln
 140     145     150
Phe Phe Lys Asp Ile Asp Thr Pro Leu Val Lys Ser Gly Gly Asp
 155     160     165
Glu Thr Pro Ser Gln Ser Ser Asp Ile Ser His Val Leu Glu Thr
 170     175     180
Glu Thr Ile Phe Thr Pro Ser Ser Val Lys Lys Lys Lys Arg Arg
 185     190     195
Arg Lys Lys Tyr Lys Gln Asp Ser Lys Lys Glu Glu Gln Ala Ala
 200     205     210
Ser Ala Ala Ala Glu Asp Thr Cys Asp Val Gly Val Ser Ser Asp

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	215		220		225
Asp Asp Lys Gly	Ala Gln Ala Ala Arg	Gly Ser Ser Asn Ala	Ser		
	230		235		240
Leu Lys Glu Glu	Glu Cys Lys Glu Pro	Leu Leu Phe His Ser	Gly		
	245		250		255
Asp His Tyr Pro	Leu Ser Asp Gly Asp	Trp Ser Pro Leu Glu	Thr		
	260		265		270
Thr Tyr Pro Gln	Thr Ala Cys Pro Lys	Ser Asp Ser Glu Leu	Glu		
	275		280		285
Val Lys Pro Ala	Glu Ser Leu Leu Arg	Ser Glu Tyr His Met	Glu		
	290		295		300
Trp Thr Trp Gly	Gly Phe Pro Glu Ser	Thr Lys Val Ser Lys	Arg		
	305		310		315
Glu Arg Ser Asp	His His Pro Arg Thr	Ala Thr Ile Thr Pro	Ser		
	320		325		330
Glu Asn Thr His	Phe Arg Val Ile Pro	Ser Glu Asp Asn Leu	Ile		
	335		340		345
Ser Glu Val Glu	Lys Asp Ala Ser Met	Glu Asp Thr Val Cys	Thr		
	350		355		360
Ile Val Lys Pro	Lys Pro Arg Ala Leu	Gly Thr Gln Met Ser	Asp		
	365		370		375
Pro Thr Ser Val	Ala Glu Leu Leu Glu	Pro Pro Leu Glu Ser	Thr		
	380		385		390
Gln Ile Ser Ser	Met Leu Asp Ala Asp	His Leu Pro Asn Ala	Ala		
	395		400		405
Leu Ala Glu Ala	Pro Ser Glu Ser Lys	Pro Ala Ala Lys Val	Asp		
	410		415		420
Ser Pro Ser Lys	Lys Lys Gly Val His	Lys Arg Ile Gln His	Gln		
	425		430		435
Gly Pro Asp Asp	Ile Tyr Leu Asp Asp	Leu Lys Gly Leu Glu	Pro		
	440		445		450
Glu Val Ala Ala	Leu Tyr Phe Pro Lys	Ser Glu Ser Glu Pro	Gly		
	455		460		465
Ser Arg Gln Trp	Pro Glu Ser Asp Thr	Leu Ser Gly Ser Gln	Ser		
	470		475		480
Pro Gln Ser Val	Gly Ser Ala Ala Ala	Asp Ser Gly Thr Glu	Cys		
	485		490		495
Leu Ser Asp Ser	Ala Met Asp Leu Pro	Asp Val Thr Leu Ser	Leu		
	500		505		510
Cys Gly Gly Leu	Ser Glu Asn Gly Lys	Ile Ser Lys Glu Lys	Phe		
	515		520		525
Met Glu His Ile	Ile Thr Tyr His Glu	Phe Ala Glu Asn Pro	Gly		
	530		535		540
Leu Ile Asp Asn	Pro Asn Leu Val Ile	Arg Ile Tyr Asn Arg	Tyr		
	545		550		555
Tyr Asn Trp Ala	Leu Ala Ala Pro Met	Ile Leu Ser Leu Gln	Val		
	560		565		570
Phe Gln Lys Ser	Leu Pro Lys Ala Thr	Val Glu Ser Trp Val	Lys		
	575		580		585
Asp Lys Met Pro	Lys Lys Ser Gly Arg	Trp Trp Phe Trp Arg	Lys		
	590		595		600
Arg Glu Ser Met	Thr Lys Gln Leu Pro	Glu Ser Lys Glu Gly	Lys		
	605		610		615
Ser Glu Ala Pro	Pro Ala Ser Asp Leu	Pro Ser Ser Ser Lys	Glu		
	620		625		630
Pro Ala Gly Ala	Arg Pro Ala Glu Asn	Asp Ser Ser Ser Asp	Glu		
	635		640		645
Gly Ser Gln Glu	Leu Glu Glu Ser Ile	Thr Val Asp Pro Ile	Pro		
	650		655		660
Thr Glu Pro Leu	Ser His Gly Ser Thr	Thr Ser Tyr Lys Lys	Ser		
	665		670		675
Leu Arg Leu Ser	Ser Asp Gln Ile Ala	Lys Leu Lys Leu His	Asp		
	680		685		690

Gly Pro Asn Asp Val Val Phe Ser Ile Thr Thr Gln Tyr Gln Gly  
 695 700 705  
 Thr Cys Arg Cys Ala Gly Thr Ile Tyr Leu Trp Asn Trp Asn Asp  
 710 715 720  
 Lys Ile Ile Ile Ser Asp Ile Asp Gly Thr Ile Thr Lys Ser Asp  
 725 730 735  
 Ala Leu Gly Gln Ile Leu Pro Gln Leu Gly Lys Asp Trp Thr His  
 740 745 750  
 Gln Gly Ile Ala Lys Leu Tyr His Ser Ile Asn Glu Asn Gly Tyr  
 755 760 765  
 Lys Phe Leu Tyr Cys Ser Ala Arg Ala Ile Gly Met Ala Asp Met  
 770 775 780  
 Thr Arg Gly Tyr Leu His Trp Val Asn Asp Lys Gly Thr Ile Leu  
 785 790 795  
 Pro Arg Gly Pro Leu Met Leu Ser Pro Ser Ser Leu Phe Ser Ala  
 800 805 810  
 Phe His Arg Glu Val Ile Glu Lys Lys Pro Glu Lys Phe Lys Ile  
 815 820 825  
 Glu Cys Leu Asn Asp Ile Lys Asn Leu Phe Ala Pro Ser Lys Gln  
 830 835 840  
 Pro Phe Tyr Ala Ala Phe Gly Asn Arg Pro Asn Asp Val Tyr Ala  
 845 850 855  
 Tyr Thr Gln Val Gly Val Pro Asp Cys Arg Ile Phe Thr Val Asn  
 860 865 870  
 Pro Lys Gly Glu Leu Ile Gln Glu Arg Thr Lys Gly Asn Lys Ser  
 875 880 885  
 Ser Tyr His Arg Leu Ser Glu Leu Val Glu His Val Phe Pro Leu  
 890 895 900  
 Leu Ser Lys Glu Gln Asn Ser Ala Phe Pro Cys Pro Glu Phe Ser  
 905 910 915  
 Ser Phe Cys Tyr Trp Arg Asp Pro Ile Pro Glu Val Asp Leu Asp  
 920 925 930  
 Asp Leu Ser

&lt;210&gt; 32

&lt;211&gt; 268

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1708229CD1

&lt;400&gt; 32

Met Leu Gly Asp His Cys Ser Leu Pro Glu Asp Gln Ala Arg Pro  
 1 5 10 15  
 Gly Gln Ser Leu Gln Ser Gly Leu Cys Cys Lys Met Val Leu Gln  
 20 25 30  
 Ala Val Ser Lys Val Leu Arg Lys Ser Lys Ala Lys Pro Asn Gly  
 35 40 45  
 Lys Lys Pro Ala Ala Glu Glu Arg Lys Ala Tyr Leu Glu Pro Glu  
 50 55 60  
 His Thr Lys Ala Arg Ile Thr Asp Phe Gln Phe Lys Glu Leu Val  
 65 70 75  
 Val Leu Pro Arg Glu Ile Asp Leu Asn Glu Trp Leu Ala Ser Asn  
 80 85 90  
 Thr Thr Thr Phe Phe His His Ile Asn Leu Gln Tyr Ser Thr Ile  
 95 100 105  
 Ser Glu Phe Cys Thr Gly Glu Thr Cys Gln Thr Met Ala Val Cys  
 110 115 120  
 Asn Thr Gln Tyr Tyr Trp Tyr Asp Glu Arg Gly Lys Lys Val Lys  
 125 130 135  
 Cys Thr Ala Pro Gln Tyr Val Asp Phe Val Met Ser Ser Val Gln

				140					145					150
Lys	Leu	Val	Thr	Asp	Glu	Asp	Val	Phe	Pro	Thr	Lys	Tyr	Gly	Arg
				155					160					165
Glu	Phe	Pro	Ser	Ser	Phe	Glu	Ser	Leu	Val	Arg	Lys	Ile	Cys	Arg
				170					175					180
His	Leu	Phe	His	Val	Leu	Ala	His	Ile	Tyr	Trp	Ala	His	Phe	Lys
				185					190					195
Glu	Thr	Leu	Ala	Leu	Glu	Leu	His	Gly	His	Leu	Asn	Thr	Leu	Tyr
				200					205					210
Val	His	Phe	Ile	Leu	Phe	Ala	Arg	Glu	Phe	Asn	Leu	Leu	Asp	Pro
				215					220					225
Lys	Glu	Thr	Ala	Ile	Met	Asp	Asp	Leu	Thr	Glu	Val	Leu	Cys	Ser
				230					235					240
Gly	Ala	Gly	Gly	Val	His	Ser	Gly	Gly	Ser	Gly	Asp	Gly	Ala	Gly
				245					250					255
Ser	Gly	Gly	Pro	Gly	Ala	Gln	Asn	His	Val	Lys	Glu	Arg		
				260					265					

&lt;210&gt; 33'

&lt;211&gt; 337

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1806454CD1

&lt;400&gt; 33

Met	Leu	Leu	Gly	Leu	Ala	Ala	Met	Glu	Leu	Lys	Val	Trp	Val	Asp
1				5					10					15
Gly	Ile	Gln	Arg	Val	Val	Cys	Gly	Val	Ser	Glu	Gln	Thr	Thr	Cys
				20					25					30
Gln	Glu	Val	Val	Ile	Ala	Leu	Ala	Gln	Ala	Ile	Gly	Gln	Thr	Gly
				35					40					45
Arg	Phe	Val	Leu	Val	Gln	Arg	Leu	Arg	Glu	Lys	Glu	Arg	Gln	Leu
				50					55					60
Leu	Pro	Gln	Glu	Cys	Pro	Val	Gly	Ala	Gln	Ala	Thr	Cys	Gly	Gln
				65					70					75
Phe	Ala	Ser	Asp	Val	Gln	Phe	Val	Leu	Arg	Arg	Thr	Gly	Pro	Ser
				80					85					90
Leu	Ala	Gly	Arg	Pro	Ser	Ser	Asp	Ser	Cys	Pro	Pro	Pro	Glu	Arg
				95					100					105
Cys	Leu	Ile	Arg	Ala	Ser	Leu	Pro	Val	Lys	Pro	Arg	Ala	Ala	Leu
				110					115					120
Gly	Cys	Glu	Pro	Arg	Lys	Thr	Leu	Thr	Pro	Glu	Pro	Ala	Pro	Ser
				125					130					135
Leu	Ser	Arg	Pro	Gly	Pro	Ala	Ala	Pro	Val	Thr	Pro	Thr	Pro	Gly
				140					145					150
Cys	Cys	Thr	Asp	Leu	Arg	Gly	Leu	Glu	Leu	Arg	Val	Gln	Arg	Asn
				155					160					165
Ala	Glu	Glu	Leu	Gly	His	Glu	Ala	Phe	Trp	Glu	Gln	Glu	Leu	Arg
				170					175					180
Arg	Glu	Gln	Ala	Arg	Glu	Arg	Glu	Gly	Gln	Ala	Arg	Leu	Gln	Ala
				185					190					195
Leu	Ser	Ala	Ala	Thr	Ala	Glu	His	Ala	Ala	Arg	Leu	Gln	Ala	Leu
				200					205					210
Asp	Ala	Gln	Ala	Arg	Ala	Leu	Glu	Ala	Glu	Leu	Gln	Leu	Ala	Ala
				215					220					225
Glu	Ala	Pro	Gly	Pro	Pro	Ser	Pro	Met	Ala	Ser	Ala	Thr	Glu	Arg
				230					235					240
Leu	His	Gln	Asp	Leu	Ala	Val	Gln	Glu	Arg	Gln	Ser	Ala	Glu	Val
				245					250					255
Gln	Gly	Ser	Leu	Ala	Leu	Val	Ser	Arg	Ala	Leu	Glu	Ala	Ala	Glu
				260					265					270

Arg Ala Leu Gln Ala Gln Ala Gln Glu Leu Glu Glu Leu Asn Arg  
 275 280 285  
 Glu Leu Arg Gln Cys Asn Leu Gln Gln Phe Ile Gln Gln Thr Gly  
 290 295 300  
 Ala Ala Leu Pro Pro Pro Pro Arg Pro Asp Arg Gly Pro Pro Gly  
 305 310 315  
 Thr Gln Val Gly Val Val Leu Gly Gly Gly Trp Glu Val Arg Thr  
 320 325 330  
 Trp Pro Ser Pro Thr Pro Ser  
 335

&lt;210&gt; 34

&lt;211&gt; 565

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1806850CD1

&lt;400&gt; 34

Met Lys Glu Glu Glu Glu Val Phe Gln Pro Met Leu Met Glu Tyr  
 1 5 10 15  
 Phe Thr Tyr Glu Glu Leu Lys Tyr Ile Lys Lys Lys Val Ile Ala  
 20 25 30  
 Gln His Cys Ser Gln Lys Asp Thr Ala Glu Leu Leu Arg Gly Leu  
 35 40 45  
 Ser Leu Trp Asn His Ala Glu Glu Arg Gln Lys Phe Phe Lys Tyr  
 50 55 60  
 Ser Val Asp Glu Lys Ser Asp Lys Glu Ala Glu Val Ser Glu His  
 65 70 75  
 Ser Thr Gly Ile Thr His Leu Pro Pro Glu Val Met Leu Ser Ile  
 80 85 90  
 Phe Ser Tyr Leu Asn Pro Gln Glu Leu Cys Arg Cys Ser Gln Val  
 95 100 105  
 Ser Met Lys Trp Ser Gln Leu Thr Lys Thr Gly Ser Leu Trp Lys  
 110 115 120  
 His Leu Tyr Pro Val His Trp Ala Arg Gly Asp Trp Tyr Ser Gly  
 125 130 135  
 Pro Ala Thr Glu Leu Asp Thr Glu Pro Asp Asp Glu Trp Val Lys  
 140 145 150  
 Asn Arg Lys Asp Glu Ser Arg Ala Phe His Glu Trp Asp Glu Asp  
 155 160 165  
 Ala Asp Ile Asp Glu Ser Glu Glu Ser Ala Glu Glu Ser Ile Ala  
 170 175 180  
 Ile Ser Ile Ala Gln Met Glu Lys Arg Leu Leu His Gly Leu Ile  
 185 190 195  
 His Asn Val Leu Pro Tyr Val Gly Thr Ser Val Lys Thr Leu Val  
 200 205 210  
 Leu Ala Tyr Ser Ser Ala Val Ser Ser Lys Met Val Arg Gln Ile  
 215 220 225  
 Leu Glu Leu Cys Pro Asn Leu Glu His Leu Asp Leu Thr Gln Thr  
 230 235 240  
 Asp Ile Ser Asp Ser Ala Phe Asp Ser Trp Ser Trp Leu Gly Cys  
 245 250 255  
 Cys Gln Ser Leu Arg His Leu Asp Leu Ser Gly Cys Glu Lys Ile  
 260 265 270  
 Thr Asp Val Ala Leu Glu Lys Ile Ser Arg Ala Leu Gly Ile Leu  
 275 280 285  
 Thr Ser His Gln Ser Gly Phe Leu Lys Thr Ser Thr Ser Lys Ile  
 290 295 300  
 Thr Ser Thr Ala Trp Lys Asn Lys Asp Ile Thr Met Gln Ser Thr  
 305 310 315  
 Lys Gln Tyr Ala Cys Leu His Asp Leu Thr Asn Lys Gly Ile Gly

	320		325		330
Glu Glu Ile Asp	Asn Glu His Pro Trp	Thr Lys Pro Val Ser	Ser		
	335		340		345
Glu Asn Phe Thr	Ser Pro Tyr Val Trp	Met Leu Asp Ala Glu	Asp		
	350		355		360
Leu Ala Asp Ile	Glu Asp Thr Val Glu	Trp Arg His Arg Asn	Val		
	365		370		375
Glu Ser Leu Cys	Val Met Glu Thr Ala	Ser Asn Phe Ser Cys	Ser		
	380		385		390
Thr Ser Gly Cys	Phe Ser Lys Asp Ile	Val Gly Leu Arg Thr	Ser		
	395		400		405
Val Cys Trp Gln	Gln His Cys Ala Ser	Pro Ala Phe Ala Tyr	Cys		
	410		415		420
Gly His Ser Phe	Cys Cys Thr Gly Thr	Ala Leu Arg Thr Met	Ser		
	425		430		435
Ser Leu Pro Glu	Ser Ser Ala Met Cys	Arg Lys Ala Ala Arg	Thr		
	440		445		450
Arg Leu Pro Arg	Gly Lys Asp Leu Ile	Tyr Phe Gly Ser Glu	Lys		
	455		460		465
Ser Asp Gln Glu	Thr Gly Arg Val Leu	Leu Phe Leu Ser Leu	Ser		
	470		475		480
Gly Cys Tyr Gln	Ile Thr Asp His Gly	Leu Arg Val Leu Thr	Leu		
	485		490		495
Gly Gly Gly Leu	Pro Tyr Leu Glu His	Leu Asn Leu Ser Gly	Cys		
	500		505		510
Leu Thr Ile Thr	Gly Ala Gly Leu Gln	Asp Leu Val Ser Ala	Cys		
	515		520		525
Pro Ser Leu Asn	Asp Glu Tyr Phe Tyr	Tyr Cys Asp Asn Ile	Asn		
	530		535		540
Gly Pro His Ala	Asp Thr Ala Ser Gly	Cys Gln Asn Leu Gln	Cys		
	545		550		555
Gly Phe Arg Ala	Cys Cys Arg Ser Gly	Glu			
	560		565		

&lt;210&gt; 35

&lt;211&gt; 228

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1851534CD1

&lt;400&gt; 35

Met Asp Phe Ser	Phe Ser Phe Met Gln Gly	Ile Met Gly Asn Thr
1	5	10
Ile Gln Gln Pro	Pro Gln Leu Ile Asp Ser	Ala Asn Ile Arg Gln
	20	25
Glu Asp Ala Phe	Asn Asn Ser Asp Ile	Ala Glu Asp Gly Gly
	35	40
Gln Thr Pro Tyr	Glu Ala Thr Leu Gln Gln	Gly Phe Gln Tyr Pro
	50	55
Ala Thr Thr Glu	Asp Leu Pro Pro Leu Thr	Asn Gly Tyr Pro Ser
	65	70
Ser Ile Ser Val	Tyr Glu Thr Gln Thr Lys	Tyr Gln Ser Tyr Asn
	80	85
Gln Tyr Pro Asn	Gly Ser Ala Asn Gly Phe	Gly Ala Val Arg Asn
	95	100
Phe Ser Pro Thr	Asp Tyr Tyr His Ser Glu	Ile Pro Asn Thr Arg
	110	115
Pro His Glu Ile	Leu Glu Lys Pro Ser Pro	Pro Gln Pro Pro Pro
	125	130
Pro Pro Ser Val	Pro Gln Thr Val Ile Pro	Lys Lys Thr Gly Ser
	140	145

Pro Glu Ile Lys Leu Lys Ile Thr Lys Thr Ile Gln Asn Gly Arg  
 155 160 165  
 Glu Leu Phe Glu Ser Ser Leu Cys Gly Asp Leu Leu Asn Glu Val  
 170 175 180  
 Gln Ala Ser Glu His Thr Lys Ser Lys His Glu Ser Arg Lys Glu  
 185 190 195  
 Lys Arg Lys Lys Ser Asn Lys His Asp Ser Ser Arg Ser Glu Glu  
 200 205 210  
 Arg Lys Ser His Lys Ile Pro Lys Leu Glu Pro Glu Glu Gln Asn  
 215 220 225  
 Met Thr Lys

<210> 36  
 <211> 495  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1868749CD1

<400> 36  
 Met Lys Gly Met Lys Val Glu Val Leu Asn Ser Asp Ala Val Leu  
 1 5 10 15  
 Pro Ser Arg Val Tyr Trp Ile Ala Ser Val Ile Gln Thr Ala Gly  
 20 25 30  
 Tyr Arg Val Leu Leu Arg Tyr Glu Gly Phe Glu Asn Asp Ala Ser  
 35 40 45  
 His Asp Phe Trp Cys Asn Leu Gly Thr Val Asp Val His Pro Ile  
 50 55 60  
 Gly Trp Cys Ala Ile Asn Ser Lys Ile Leu Val Pro Pro Arg Thr  
 65 70 75  
 Ile His Ala Lys Phe Thr Asp Trp Lys Gly Tyr Leu Met Lys Arg  
 80 85 90  
 Leu Val Gly Ser Arg Thr Leu Pro Val Asp Phe His Ile Lys Met  
 95 100 105  
 Val Glu Ser Met Lys Tyr Pro Phe Arg Gln Gly Met Arg Leu Glu  
 110 115 120  
 Val Val Asp Lys Ser Gln Val Ser Arg Thr Arg Met Ala Val Val  
 125 130 135  
 Asp Thr Val Ile Gly Gly Arg Leu Arg Leu Leu Tyr Glu Asp Gly  
 140 145 150  
 Asp Ser Asp Asp Asp Phe Trp Cys His Met Trp Ser Pro Leu Ile  
 155 160 165  
 His Pro Val Gly Trp Ser Arg Arg Val Gly His Gly Ile Lys Met  
 170 175 180  
 Ser Glu Arg Arg Ser Asp Met Ala His His Pro Thr Phe Arg Lys  
 185 190 195  
 Ile Tyr Cys Asp Ala Val Pro Tyr Leu Phe Lys Lys Val Arg Ala  
 200 205 210  
 Val Tyr Thr Glu Gly Gly Trp Phe Glu Glu Gly Met Lys Leu Glu  
 215 220 225  
 Ala Ile Asp Pro Leu Asn Leu Gly Asn Ile Cys Val Ala Thr Val  
 230 235 240  
 Cys Lys Val Leu Leu Asp Gly Tyr Leu Met Ile Cys Val Asp Gly  
 245 250 255  
 Gly Pro Ser Thr Asp Gly Leu Asp Trp Phe Cys Tyr His Ala Ser  
 260 265 270  
 Ser His Ala Ile Phe Pro Ala Thr Phe Cys Gln Lys Asn Asp Ile  
 275 280 285  
 Glu Leu Thr Pro Pro Lys Gly Tyr Glu Ala Gln Thr Phe Asn Trp  
 290 295 300  
 Glu Asn Tyr Leu Glu Lys Thr Lys Ser Lys Ala Ala Pro Ser Arg

	305		310		315
Leu Phe Asn Met	Asp Cys Pro Asn His	Gly Phe Lys Val Gly	Met		
	320		325		330
Lys Leu Glu Ala	Val Asp Leu Met Glu	Pro Arg Leu Ile Cys	Val		
	335		340		345
Ala Thr Val Lys	Arg Val Val His Arg	Leu Leu Ser Ile His	Phe		
	350		355		360
Asp Gly Trp Asp	Ser Glu Tyr Asp Gln	Trp Val Asp Cys Glu	Ser		
	365		370		375
Pro Asp Ile Tyr	Pro Val Gly Trp Cys	Glu Leu Thr Gly Tyr	Gln		
	380		385		390
Leu Gln Pro Pro	Val Ala Ala Glu Pro	Ala Thr Pro Leu Lys	Ala		
	395		400		405
Lys Glu Ala Thr	Lys Lys Lys Lys Lys	Gln Phe Gly Lys Lys	Arg		
	410		415		420
Lys Arg Ile Pro	Pro Thr Lys Thr Arg	Pro Leu Arg Gln Gly	Ser		
	425		430		435
Lys Lys Pro Leu	Leu Glu Asp Asp Pro	Gln Gly Ala Arg Lys	Ile		
	440		445		450
Ser Ser Glu Pro	Val Pro Gly Glu Ile	Ile Ala Val Arg Val	Lys		
	455		460		465
Glu Glu His Leu	Asp Val Ala Ser Pro	Asp Lys Ala Ser Ser	Pro		
	470		475		480
Glu Leu Pro Val	Ser Val Glu Asn Ile	Lys Gln Glu Thr Asp	Asp		
	485		490		495

&lt;210&gt; 37

&lt;211&gt; 1336

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1980010CD1

&lt;400&gt; 37

Met Val Asp Gln Leu	Glu Gln Ile Leu	Ser Val Ser Glu Leu	Leu
1	5	10	15
Glu Lys His Gly Leu	Glu Lys Pro Ile	Ser Phe Val Lys Asn	Thr
	20	25	30
Gln Ser Ser Ser Glu	Glu Ala Arg Lys	Leu Met Val Arg Leu	Thr
	35	40	45
Arg His Thr Gly Arg	Lys Gln Pro Pro	Val Ser Glu Ser His	Trp
	50	55	60
Arg Thr Leu Leu Gln	Asp Met Leu Thr	Met Gln Gln Asn Val	Tyr
	65	70	75
Thr Cys Leu Asp Ser	Asp Ala Cys Tyr	Glu Ile Phe Thr Glu	Ser
	80	85	90
Leu Leu Cys Ser Ser	Arg Leu Glu Asn	Ile His Leu Ala Gly	Gln
	95	100	105
Met Met His Cys Ser	Ala Cys Ser Glu	Asn Pro Pro Ala Gly	Ile
	110	115	120
Ala His Lys Gly Asn	Pro His Tyr Arg	Val Ser Tyr Glu Lys	Ser
	125	130	135
Ile Asp Leu Val Leu	Ala Ala Ser Arg	Glu Tyr Phe Asn Ser	Ser
	140	145	150
Thr Asn Leu Thr Asp	Ser Cys Met Asp	Leu Ala Arg Cys Cys	Leu
	155	160	165
Gln Leu Ile Thr Asp	Arg Pro Pro Ala	Ile Gln Glu Glu Leu	Asp
	170	175	180
Leu Ile Gln Ala Val	Gly Cys Leu Glu	Glu Phe Gly Val Lys	Ile
	185	190	195
Leu Pro Leu Gln Val	Arg Leu Cys Pro	Asp Arg Ile Ser Leu	Ile

Lys Glu Cys Ile	200	205	210
Ser Gln Ser Pro Thr	215	Cys Tyr Lys Gln Ser Thr	225
Lys Leu Leu Gly	230	Arg Val Ala Gly Glu Asn	240
Pro Glu Glu Arg	245	Ile Leu Leu Val Glu Gln	255
Ala Leu Arg Phe	260	Ala Ser Met His Cys Gln	270
Glu Leu Met Ala	275	Ser Trp Asp Val Cys Ser	285
Gln Leu Gly Gln	290	Asp Leu Ala Thr Arg Gln	300
Glu Leu Met Ala	305	Cys Pro Pro Ser Ser Ile	315
Glu Leu Leu Leu	320	Leu Gln Thr Glu Ile Leu	330
Tyr Gln Arg Val	335	His Glu Gly Gly Glu Asn	345
Ile Ser Ala Ser	350	Ala Val Gln Glu Asp Glu	360
Val Gly Val Pro	365	Asp Leu Leu Arg Trp Thr	375
Thr Ala Thr Thr	380	Asn Thr Thr Thr Thr Thr	390
Lys Ala Val Leu	395	Gly Gln Trp Trp Lys Lys	405
Ser Leu Thr Tyr	410	Gly Gln Lys Cys Gly Gly	420
Ala Tyr Gln Ile	425	Glu Thr Thr Ala Asn Asp Leu Glu Lys Gln	435
Gly Cys His Pro	440	Phe Tyr Glu Ser Val Ile Ser Asn Pro Phe Val	450
Ala Glu Ser Glu	455	Gly Thr Tyr Asp Thr Tyr Gln His Val Pro Val	465
Glu Ser Phe Ala	470	Glu Val Leu Leu Arg Thr Gly Lys Leu Ala Glu	480
Ala Lys Asn Lys	485	Gly Glu Val Phe Pro Thr Thr Glu Val Leu Leu	495
Gln Leu Ala Ser	500	Glu Ala Leu Pro Asn Asp Met Thr Leu Ala Leu	510
Ala Tyr Leu Leu	515	Ala Leu Pro Gln Val Leu Asp Ala Asn Arg Cys	525
Phe Glu Lys Gln	530	Ser Pro Ser Ala Leu Ser Leu Gln Leu Ala Ala	540
Tyr Tyr Tyr Ser	545	Leu Gln Ile Tyr Ala Arg Leu Ala Pro Cys Phe	555
Arg Asp Lys Cys	560	His Pro Leu Tyr Arg Ala Asp Pro Lys Glu Leu	570
Ile Lys Met Val	575	Thr Arg His Val Thr Arg His Glu His Glu Ala	585
Trp Pro Glu Asp	590	Leu Ile Ser Leu Thr Lys Gln Leu His Cys Tyr	600
Asn Glu Arg Leu	605	Leu Asp Phe Thr Gln Ala Gln Ile Leu Gln Gly	615
Leu Arg Lys Gly	620	Val Asp Val Gln Arg Phe Thr Ala Asp Asp Gln	630
Tyr Lys Arg Glu	635	Thr Ile Leu Gly Leu Ala Glu Thr Leu Glu Glu	645
Ser Val Tyr Ser	650	Ile Ala Ile Ser Leu Ala Gln Arg Tyr Ser Val	660
Ser Arg Trp Glu	665	Val Phe Met Thr His Leu Glu Phe Leu Phe Thr	675

Asp	Ser	Gly	Leu	Ser	Thr	Leu	Glu	Ile	Glu	Asn	Arg	Ala	Gln	Asp
				680					685					690
Leu	His	Leu	Phe	Glu	Thr	Leu	Lys	Thr	Asp	Pro	Glu	Ala	Phe	His
				695					700					705
Gln	His	Met	Val	Lys	Tyr	Ile	Tyr	Pro	Thr	Ile	Gly	Gly	Phe	Asp
				710					715					720
His	Glu	Arg	Leu	Gln	Tyr	Tyr	Phe	Thr	Leu	Leu	Glu	Asn	Cys	Gly
				725					730					735
Cys	Ala	Asp	Leu	Gly	Asn	Cys	Ala	Ile	Lys	Pro	Glu	Thr	His	Ile
				740					745					750
Arg	Leu	Leu	Lys	Lys	Phe	Lys	Val	Val	Ala	Ser	Gly	Leu	Asn	Tyr
				755					760					765
Lys	Lys	Leu	Thr	Asp	Glu	Asn	Met	Ser	Pro	Leu	Glu	Ala	Leu	Glu
				770					775					780
Pro	Val	Leu	Ser	Ser	Gln	Asn	Ile	Leu	Ser	Ile	Ser	Lys	Leu	Val
				785					790					795
Pro	Lys	Ile	Pro	Glu	Lys	Asp	Gly	Gln	Met	Leu	Ser	Pro	Ser	Ser
				800					805					810
Leu	Tyr	Thr	Ile	Trp	Leu	Gln	Lys	Leu	Phe	Trp	Thr	Gly	Asp	Pro
				815					820					825
His	Leu	Ile	Lys	Gln	Val	Pro	Gly	Ser	Ser	Pro	Glu	Trp	Leu	His
				830					835					840
Ala	Tyr	Asp	Val	Cys	Met	Lys	Tyr	Phe	Asp	Arg	Leu	His	Pro	Gly
				845					850					855
Asp	Leu	Ile	Thr	Val	Val	Asp	Ala	Val	Thr	Phe	Ser	Pro	Lys	Ala
				860					865					870
Val	Thr	Lys	Leu	Ser	Val	Glu	Ala	Arg	Lys	Glu	Met	Thr	Arg	Lys
				875					880					885
Ala	Ile	Lys	Thr	Val	Lys	His	Phe	Ile	Glu	Lys	Pro	Arg	Lys	Arg
				890					895					900
Asn	Ser	Glu	Asp	Glu	Ala	Gln	Glu	Ala	Lys	Asp	Ser	Lys	Val	Thr
				905					910					915
Tyr	Ala	Asp	Thr	Leu	Asn	His	Leu	Glu	Lys	Ser	Leu	Ala	His	Leu
				920					925					930
Glu	Thr	Leu	Ser	His	Ser	Phe	Ile	Leu	Ser	Leu	Lys	Asn	Ser	Glu
				935					940					945
Gln	Glu	Thr	Leu	Gln	Lys	Tyr	Ser	His	Leu	Tyr	Asp	Leu	Ser	Arg
				950					955					960
Ser	Glu	Lys	Glu	Lys	Leu	His	Asp	Glu	Ala	Val	Ala	Ile	Cys	Leu
				965					970					975
Asp	Gly	Gln	Pro	Leu	Ala	Met	Ile	Gln	Gln	Leu	Leu	Glu	Val	Ala
				980					985					990
Val	Gly	Pro	Leu	Asp	Ile	Ser	Pro	Lys	Asp	Ile	Val	Gln	Ser	Ala
				995					1000					1005
Ile	Met	Lys	Ile	Ile	Ser	Ala	Leu	Ser	Gly	Gly	Ser	Ala	Asp	Leu
				1010					1015					1020
Gly	Gly	Pro	Arg	Asp	Pro	Leu	Lys	Val	Leu	Glu	Gly	Val	Val	Ala
				1025					1030					1035
Ala	Val	His	Ala	Ser	Val	Asp	Lys	Gly	Glu	Glu	Leu	Val	Ser	Pro
				1040					1045					1050
Glu	Asp	Leu	Leu	Glu	Trp	Leu	Arg	Pro	Phe	Cys	Ala	Asp	Asp	Ala
				1055					1060					1065
Trp	Pro	Val	Arg	Pro	Arg	Ile	His	Val	Leu	Gln	Ile	Leu	Gly	Gln
				1070					1075					1080
Ser	Phe	His	Leu	Thr	Glu	Glu	Asp	Ser	Lys	Leu	Leu	Val	Phe	Phe
				1085					1090					1095
Arg	Thr	Glu	Ala	Ile	Leu	Lys	Ala	Ser	Trp	Pro	Gln	Arg	Gln	Val
				1100					1105					1110
Asp	Ile	Ala	Asp	Ile	Glu	Asn	Glu	Glu	Asn	Arg	Tyr	Cys	Leu	Phe
				1115					1120					1125
Met	Glu	Leu	Leu	Glu	Ser	Ser	His	His	Glu	Ala	Glu	Phe	Gln	His
				1130					1135					1140
Leu	Val	Leu	Leu	Leu	Gln	Ala	Trp	Pro	Pro	Met	Lys	Ser	Glu	Tyr

```

1145      1150      1155
Val Ile Thr Asn Asn Pro Trp Val Arg Leu Ala Thr Val Met Leu
1160      1165      1170
Thr Arg Cys Thr Met Glu Asn Lys Glu Gly Leu Gly Asn Glu Val
1175      1180      1185
Leu Lys Met Cys Arg Ser Leu Tyr Asn Thr Lys Gln Met Leu Pro
1190      1195      1200
Ala Glu Gly Val Lys Glu Leu Cys Leu Leu Leu Leu Asn Gln Ser
1205      1210      1215
Leu Leu Leu Pro Ser Leu Lys Leu Leu Leu Glu Ser Arg Asp Glu
1220      1225      1230
His Leu His Glu Met Ala Leu Glu Gln Ile Thr Ala Val Thr Thr
1235      1240      1245
Val Asn Asp Ser Asn Cys Asp Gln Glu Leu Leu Ser Leu Leu Leu
1250      1255      1260
Asp Ala Lys Leu Leu Val Lys Cys Val Ser Thr Pro Phe Tyr Pro
1265      1270      1275
Arg Ile Val Asp His Leu Leu Ala Ser Leu Gln Gln Gly Arg Trp
1280      1285      1290
Asp Ala Glu Glu Leu Gly Arg His Leu Arg Glu Ala Gly His Glu
1295      1300      1305
Ala Glu Ala Gly Ser Leu Leu Leu Ala Val Arg Gly Thr His Gln
1310      1315      1320
Ala Phe Arg Thr Phe Ser Thr Ala Leu Arg Ala Ala Gln His Trp
1325      1330      1335
Val

```

```

<210> 38
<211> 934
<212> PRT
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte ID No: 2259032CD1

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<400> 38
Met Phe Trp Lys Phe Asp Leu Asn Thr Thr Ser His Val Asp Lys
1      5      10      15
Leu Leu Asp Lys Glu His Val Thr Leu Gln Glu Leu Met Asp Glu
20      25      30
Asp Asp Ile Leu Gln Glu Cys Lys Ala Gln Asn Gln Lys Leu Leu
35      40      45
Asp Phe Leu Cys Arg Gln Gln Cys Met Glu Glu Leu Val Ser Leu
50      55      60
Ile Thr Gln Asp Pro Pro Leu Asp Met Glu Glu Lys Val Arg Phe
65      70      75
Lys Tyr Pro Asn Thr Ala Cys Glu Leu Leu Thr Cys Asp Val Pro
80      85      90
Gln Ile Ser Asp Arg Leu Gly Gly Asp Glu Ser Leu Leu Ser Leu
95      100     105
Leu Tyr Asp Phe Leu Asp His Glu Pro Pro Leu Asn Pro Leu Leu
110     115     120
Ala Ser Phe Phe Ser Lys Thr Ile Gly Asn Leu Ile Ala Arg Lys
125     130     135
Thr Glu Gln Val Ile Thr Phe Leu Lys Lys Lys Asp Lys Phe Ile
140     145     150
Ser Leu Val Leu Lys His Ile Gly Thr Ser Ala Leu Met Asp Leu
155     160     165
Leu Leu Arg Leu Val Ser Cys Val Glu Pro Ala Gly Leu Arg Gln
170     175     180
Asp Val Leu His Trp Leu Asn Glu Glu Lys Val Ile Gln Arg Leu
185     190     195

```

Val	Glu	Leu	Ile	His	Pro	Ser	Gln	Asp	Glu	Asp	Arg	Gln	Ser	Asn
				200					205					210
Ala	Ser	Gln	Thr	Leu	Cys	Asp	Ile	Val	Arg	Leu	Gly	Arg	Asp	Gln
				215					220					225
Gly	Ser	Gln	Leu	Gln	Glu	Ala	Leu	Glu	Pro	Asp	Pro	Leu	Leu	Thr
				230					235					240
Ala	Leu	Glu	Ser	Arg	Gln	Asp	Cys	Val	Glu	Gln	Leu	Leu	Lys	Asn
				245					250					255
Met	Phe	Asp	Gly	Asp	Arg	Thr	Glu	Ser	Cys	Leu	Val	Ser	Gly	Thr
				260					265					270
Gln	Val	Leu	Leu	Thr	Leu	Leu	Glu	Thr	Arg	Arg	Val	Gly	Thr	Glu
				275					280					285
Gly	Leu	Val	Asp	Ser	Phe	Ser	Gln	Gly	Leu	Glu	Arg	Ser	Tyr	Ala
				290					295					300
Val	Ser	Ser	Ser	Val	Leu	His	Gly	Ile	Glu	Pro	Arg	Leu	Lys	Asp
				305					310					315
Phe	His	Gln	Leu	Leu	Leu	Asn	Pro	Pro	Lys	Lys	Lys	Ala	Ile	Leu
				320					325					330
Thr	Thr	Ile	Gly	Val	Leu	Glu	Glu	Pro	Leu	Gly	Asn	Ala	Arg	Leu
				335					340					345
His	Gly	Ala	Arg	Leu	Met	Ala	Ala	Leu	Leu	His	Thr	Asn	Thr	Pro
				350					355					360
Ser	Ile	Asn	Gln	Glu	Leu	Cys	Arg	Leu	Asn	Thr	Met	Asp	Leu	Leu
				365					370					375
Leu	Asp	Leu	Phe	Phe	Lys	Tyr	Thr	Trp	Asn	Asn	Phe	Leu	His	Phe
				380					385					390
Gln	Val	Glu	Leu	Cys	Ile	Ala	Ala	Ile	Leu	Ser	His	Ala	Ala	Arg
				395					400					405
Glu	Glu	Arg	Thr	Glu	Ala	Ser	Gly	Ser	Glu	Ser	Arg	Val	Glu	Pro
				410					415					420
Pro	His	Glu	Asn	Gly	Asn	Arg	Ser	Leu	Glu	Thr	Pro	Gln	Pro	Ala
				425					430					435
Ala	Ser	Leu	Pro	Asp	Asn	Thr	Met	Val	Thr	His	Leu	Phe	Gln	Lys
				440					445					450
Cys	Cys	Leu	Val	Gln	Arg	Ile	Leu	Glu	Ala	Trp	Glu	Ala	Asn	Asp
				455					460					465
His	Thr	Gln	Ala	Ala	Gly	Gly	Met	Arg	Arg	Gly	Asn	Met	Gly	His
				470					475					480
Leu	Thr	Arg	Ile	Ala	Asn	Ala	Val	Val	Gln	Asn	Leu	Glu	Arg	Gly
				485					490					495
Pro	Val	Gln	Thr	His	Ile	Ser	Glu	Val	Ile	Arg	Gly	Leu	Pro	Ala
				500					505					510
Asp	Cys	Arg	Gly	Arg	Trp	Glu	Ser	Phe	Val	Glu	Glu	Thr	Leu	Thr
				515					520					525
Glu	Thr	Asn	Arg	Arg	Asn	Thr	Val	Asp	Leu	Ala	Phe	Ser	Asp	Tyr
				530					535					540
Gln	Ile	Gln	Gln	Met	Thr	Ala	Asn	Phe	Val	Asp	Gln	Phe	Gly	Phe
				545					550					555
Asn	Asp	Glu	Glu	Phe	Ala	Asp	Gln	Asp	Asp	Asn	Ile	Asn	Ala	Pro
				560					565					570
Phe	Asp	Arg	Ile	Ala	Glu	Ile	Asn	Phe	Asn	Ile	Asp	Ala	Asp	Glu
				575					580					585
Asp	Ser	Pro	Ser	Ala	Ala	Leu	Phe	Glu	Ala	Cys	Cys	Ser	Asp	Arg
				590					595					600
Ile	Gln	Pro	Phe	Asp	Asp	Asp	Glu	Asp	Glu	Asp	Ile	Trp	Glu	Asp
				605					610					615
Ser	Asp	Thr	Arg	Cys	Ala	Ala	Arg	Val	Met	Ala	Arg	Pro	Arg	Phe
				620					625					630
Gly	Ala	Pro	His	Ala	Ser	Glu	Ser	Cys	Ser	Lys	Asn	Gly	Pro	Glu
				635					640					645
Arg	Gly	Gly	Gln	Asp	Gly	Lys	Ala	Ser	Leu	Glu	Ala	His	Arg	Asp
				650					655					660
Ala	Pro	Gly	Ala	Gly	Ala	Pro	Pro	Ala	Pro	Gly	Lys	Lys	Glu	Ala

	665		670		675
Pro Pro Val Glu	Gly Asp Ser Glu Ala	Gly Ala Met Trp Thr	Ala		
	680		685		690
Val Phe Asp Glu	Pro Ala Asn Ser Thr	Pro Thr Ala Pro Gly	Val		
	695		700		705
Val Arg Asp Val	Gly Ser Ser Val Trp	Ala Ala Gly Thr Ser	Ala		
	710		715		720
Pro Glu Glu Lys	Gly Trp Ala Lys Phe	Thr Asp Phe Gln Pro	Phe		
	725		730		735
Cys Cys Ser Glu	Ser Gly Pro Arg Cys	Ser Ser Pro Val Asp	Thr		
	740		745		750
Glu Cys Ser His	Ala Glu Gly Ser Arg	Ser Gln Gly Pro Glu	Lys		
	755		760		765
Ala Phe Ser Pro	Ala Ser Pro Cys Ala	Trp Asn Val Cys Val	Thr		
	770		775		780
Arg Lys Ala Pro	Leu Leu Ala Ser Asp	Ser Ser Ser Ser Gly	Gly		
	785		790		795
Ser His Ser Glu	Asp Gly Asp Gln Lys	Ala Ala Ser Ala Met	Asp		
	800		805		810
Ala Val Ser Arg	Gly Pro Gly Arg Glu	Ala Pro Pro Leu Pro	Thr		
	815		820		825
Val Ala Arg Thr	Glu Glu Ala Val Gly	Arg Val Gly Cys Ala	Asp		
	830		835		840
Ser Arg Leu Leu	Ser Pro Ala Cys Pro	Ala Pro Lys Glu Val	Thr		
	845		850		855
Ala Ala Pro Ala	Val Ala Val Pro Pro	Glu Ala Thr Val Ala	Ile		
	860		865		870
Thr Thr Ala Leu	Ser Lys Ala Gly Pro	Ala Ile Pro Thr Pro	Ala		
	875		880		885
Val Ser Ser Ala	Leu Ala Val Ala Val	Pro Leu Gly Pro Ile	Met		
	890		895		900
Ala Val Thr Ala	Ala Pro Ala Met Val	Ala Thr Leu Gly Thr	Val		
	905		910		915
Thr Lys Asp Gly	Lys Thr Asp Ala Pro	Pro Glu Gly Ala Ala	Leu		
	920		925		930
Asn Gly Pro Val					

&lt;210&gt; 39

&lt;211&gt; 515

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2359526CD1

&lt;400&gt; 39

Met Ala Ala Asn Met	Tyr Arg Val Gly Asp	Tyr Val Tyr Phe Glu
1	5	10
Asn Ser Ser Ser Asn	Pro Tyr Leu Ile Arg	Arg Ile Glu Glu Leu
	20	25
Asn Lys Thr Ala Ser	Gly Asn Val Glu Ala	Lys Val Val Cys Phe
	35	40
Tyr Arg Arg Arg Asp	Ile Ser Asn Thr Leu	Ile Met Leu Ala Asp
	50	55
Lys His Ala Lys Glu	Ile Glu Glu Glu Ser	Glu Thr Thr Val Glu
	65	70
Ala Asp Leu Thr Asp	Lys Gln Lys His Gln	Leu Lys His Arg Glu
	80	85
Leu Phe Leu Ser Arg	Gln Tyr Glu Ser Leu	Pro Ala Thr His Ile
	95	100
Arg Gly Lys Cys Ser	Val Ala Leu Leu Asn	Glu Thr Glu Ser Val
	110	115
		120

Leu	Ser	Tyr	Leu	Asp	Lys	Glu	Asp	Thr	Phe	Phe	Tyr	Ser	Leu	Val
				125					130					135
Tyr	Asp	Pro	Ser	Leu	Lys	Thr	Leu	Leu	Ala	Asp	Lys	Gly	Glu	Ile
				140					145					150
Arg	Val	Gly	Pro	Arg	Tyr	Gln	Ala	Asp	Ile	Pro	Glu	Met	Leu	Leu
				155					160					165
Glu	Gly	Glu	Ser	Asp	Glu	Arg	Glu	Gln	Ser	Lys	Leu	Glu	Val	Lys
				170					175					180
Val	Trp	Asp	Pro	Asn	Ser	Pro	Leu	Thr	Asp	Arg	Gln	Ile	Asp	Gln
				185					190					195
Phe	Leu	Val	Val	Ala	Arg	Ala	Val	Gly	Thr	Phe	Ala	Arg	Ala	Leu
				200					205					210
Asp	Cys	Ser	Ser	Ser	Val	Arg	Gln	Pro	Ser	Leu	His	Met	Ser	Ala
				215					220					225
Ala	Ala	Ala	Ser	Arg	Asp	Ile	Thr	Leu	Phe	His	Ala	Met	Asp	Thr
				230					235					240
Leu	Tyr	Arg	His	Ser	Tyr	Asp	Leu	Ser	Ser	Ala	Ile	Ser	Val	Leu
				245					250					255
Val	Pro	Leu	Gly	Gly	Pro	Val	Leu	Cys	Arg	Asp	Glu	Met	Glu	Glu
				260					265					270
Trp	Ser	Ala	Ser	Glu	Ala	Ser	Leu	Phe	Glu	Glu	Ala	Leu	Glu	Lys
				275					280					285
Tyr	Gly	Lys	Asp	Phe	Asn	Asp	Ile	Arg	Gln	Asp	Phe	Leu	Pro	Trp
				290					295					300
Lys	Ser	Leu	Thr	Ser	Ile	Ile	Glu	Tyr	Tyr	Tyr	Met	Trp	Lys	Thr
				305					310					315
Thr	Asp	Arg	Tyr	Val	Gln	Gln	Lys	Arg	Leu	Lys	Ala	Ala	Glu	Ala
				320					325					330
Glu	Ser	Lys	Leu	Lys	Gln	Val	Tyr	Ile	Pro	Thr	Tyr	Ser	Lys	Pro
				335					340					345
Asn	Pro	Asn	Gln	Ile	Ser	Thr	Ser	Asn	Gly	Lys	Pro	Gly	Ala	Val
				350					355					360
Asn	Gly	Ala	Val	Gly	Thr	Thr	Phe	Gln	Pro	Gln	Asn	Pro	Leu	Leu
				365					370					375
Gly	Arg	Ala	Cys	Glu	Ser	Cys	Tyr	Ala	Thr	Gln	Ser	His	Gln	Trp
				380					385					390
Tyr	Ser	Trp	Gly	Pro	Pro	Asn	Met	Gln	Cys	Arg	Leu	Cys	Ala	Ile
				395					400					405
Cys	Trp	Leu	Tyr	Trp	Lys	Lys	Tyr	Gly	Gly	Leu	Lys	Met	Pro	Thr
				410					415					420
Gln	Ser	Glu	Glu	Glu	Lys	Leu	Ser	Pro	Ser	Pro	Thr	Thr	Glu	Asp
				425					430					435
Pro	Arg	Val	Arg	Ser	His	Val	Ser	Arg	Gln	Ala	Met	Gln	Gly	Met
				440					445					450
Pro	Val	Arg	Asn	Thr	Gly	Ser	Pro	Lys	Ser	Ala	Val	Lys	Thr	Arg
				455					460					465
Gln	Ala	Phe	Phe	Leu	His	Thr	Thr	Tyr	Phe	Thr	Lys	Phe	Ala	Arg
				470					475					480
Gln	Val	Cys	Lys	Asn	Thr	Leu	Arg	Leu	Arg	Gln	Ala	Ala	Arg	Arg
				485					490					495
Pro	Phe	Val	Ala	Ile	Asn	Tyr	Ala	Ala	Ile	Arg	Ala	Glu	Cys	Lys
				500					505					510
Met	Leu	Leu	Asn	Ser										
				515										

&lt;210&gt; 40

&lt;211&gt; 146

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2456494CD1

&lt;400&gt; 40

```

Met Val Asp Glu Leu Val Leu Leu Leu His Ala Leu Leu Met Arg
 1      5      10      15
His Arg Ala Leu Ser Ile Glu Asn Ser Gln Leu Met Glu Gln Leu
 20      25      30
Arg Leu Leu Val Cys Glu Arg Ala Ser Leu Leu Arg Gln Val Arg
 35      40      45
Pro Pro Ser Cys Pro Val Pro Phe Pro Glu Thr Phe Asn Gly Glu
 50      55      60
Ser Ser Arg Leu Pro Glu Phe Ile Val Gln Thr Ala Ser Tyr Met
 65      70      75
Leu Val Asn Glu Asn Arg Phe Cys Asn Asp Ala Met Lys Val Ala
 80      85      90
Phe Leu Ile Ser Leu Leu Thr Gly Glu Ala Glu Glu Trp Val Val
 95      100     105
Pro Tyr Ile Glu Met Asp Ser Pro Ile Leu Gly Asp Tyr Arg Ala
 110     115     120
Phe Leu Asp Glu Met Lys Gln Cys Phe Gly Trp Asp Asp Asp Glu
 125     130     135
Asp Asp Asp Asp Glu Glu Glu Asp Asp Tyr
 140     145

```

&lt;210&gt; 41

&lt;211&gt; 580

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2668536CD1

&lt;400&gt; 41

```

Met Lys Glu Asn Lys Glu Asn Ser Ser Pro Ser Val Thr Ser Ala
 1      5      10      15
Asn Leu Asp His Thr Lys Pro Cys Trp Tyr Trp Asp Lys Lys Asp
 20      25      30
Leu Ala His Thr Pro Ser Gln Leu Glu Gly Leu Asp Pro Ala Thr
 35      40      45
Glu Ala Arg Tyr Arg Arg Glu Gly Ala Arg Phe Ile Phe Asp Val
 50      55      60
Gly Thr Arg Leu Gly Leu His Tyr Asp Thr Leu Ala Thr Gly Ile
 65      70      75
Ile Tyr Phe His Arg Phe Tyr Met Phe His Ser Phe Lys Gln Phe
 80      85      90
Pro Arg Tyr Val Thr Gly Ala Cys Cys Leu Phe Leu Ala Gly Lys
 95      100     105
Val Glu Glu Thr Pro Lys Lys Cys Lys Asp Ile Ile Lys Thr Ala
 110     115     120
Arg Ser Leu Leu Asn Asp Val Gln Phe Gly Gln Phe Gly Asp Asp
 125     130     135
Pro Lys Glu Glu Val Met Val Leu Glu Arg Ile Leu Leu Gln Thr
 140     145     150
Ile Lys Phe Asp Leu Gln Val Glu His Pro Tyr Gln Phe Leu Leu
 155     160     165
Lys Tyr Ala Lys Gln Leu Lys Gly Asp Lys Asn Lys Ile Gln Lys
 170     175     180
Leu Val Gln Met Ala Trp Thr Phe Val Asn Asp Ser Leu Cys Thr
 185     190     195
Thr Leu Ser Leu Gln Trp Glu Pro Glu Ile Ile Ala Val Ala Val
 200     205     210
Met Tyr Leu Ala Gly Arg Leu Cys Lys Phe Glu Ile Gln Glu Trp
 215     220     225
Thr Ser Lys Pro Met Tyr Arg Arg Trp Trp Glu Gln Phe Val Gln
 230     235     240

```

```

Asp Val Pro Val Asp Val Leu Glu Asp Ile Cys His Gln Ile Leu
245 250
Asp Leu Tyr Ser Gln Gly Lys Gln Gln Met Pro His His Thr Pro
260 265
His Gln Leu Gln Gln Pro Pro Ser Leu Gln Pro Thr Pro Gln Val
275 280
Pro Gln Val Gln Gln Ser Gln Pro Ser Gln Ser Ser Glu Pro Ser
290 295
Gln Pro Gln Gln Lys Asp Pro Gln Gln Pro Ala Gln Gln Gln Gln
305 310
Pro Ala Gln Gln Pro Lys Lys Pro Ser Pro Gln Pro Ser Ser Pro
320 325
Arg Gln Val Lys Arg Ala Val Val Val Ser Pro Lys Glu Glu Asn
335 340
Lys Ala Ala Glu Pro Pro Pro Pro Lys Ile Pro Lys Ile Glu Thr
350 355
Thr His Pro Pro Leu Pro Pro Ala His Pro Pro Pro Asp Arg Lys
365 370
Pro Pro Leu Ala Ala Ala Leu Gly Glu Ala Glu Pro Pro Gly Pro
380 385
Val Asp Ala Thr Asp Leu Pro Lys Val Gln Ile Pro Pro Pro Ala
395 400
His Pro Ala Pro Val His Gln Pro Pro Pro Leu Pro His Arg Pro
410 415
Pro Pro Pro Pro Pro Ser Ser Tyr Met Thr Gly Met Ser Thr Thr
425 430
Ser Ser Tyr Met Ser Gly Glu Gly Tyr Gln Ser Leu Gln Ser Met
440 445
Met Lys Thr Glu Gly Pro Ser Tyr Gly Ala Leu Pro Pro Ala Tyr
455 460
Gly Pro Pro Ala His Leu Pro Tyr His Pro His Val Tyr Pro Pro
470 475
Asn Pro Pro Pro Pro Pro Val Pro Pro Pro Pro Ala Ser Phe Pro
485 490
His Leu Pro Ser His Pro Leu Leu Leu Ala Thr Pro Asn Pro His
500 505
Pro Pro Thr Thr Pro Thr Ser His Pro His Pro His Ala Ser Arg
515 520
Leu Pro Thr Gln Ser Pro Leu Ile Leu Leu Gln Gly Trp Ala Cys
530 535
Arg Gln Pro Ala Thr His Leu Leu Pro Ser Pro Leu Glu Asp Ser
545 550
Leu Leu Cys Pro Arg Pro Phe Pro His Pro Ala Cys Leu Gln Leu
560 565
Glu Gly Leu Gly Arg Ala Ala Trp Met Arg
575 580

```

&lt;210&gt; 42

&lt;211&gt; 131

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2683225CD1

&lt;400&gt; 42

```

Met Ala Glu Pro Asp Tyr Ile Glu Asp Asp Asn Pro Glu Leu Ile
1 5 10 15
Arg Pro Gln Lys Leu Ile Asn Pro Val Lys Thr Ser Arg Asn His
20 25 30
Gln Asp Leu His Arg Glu Leu Leu Met Asn Gln Lys Arg Gly Leu
35 40 45
Ala Pro Gln Asn Lys Pro Glu Leu Gln Lys Val Met Glu Lys Arg

```

	50		55		60
Lys Arg Asp Gln Val	Ile Lys Gln Lys	Glu Glu Ala Gln Lys			
	65		70		75
Lys Lys Ser Asp Leu	Glu Ile Glu Leu	Leu Lys Arg Gln Gln Lys			
	80		85		90
Leu Glu Gln Leu Glu	Leu Glu Lys Gln	Lys Leu Gln Glu Glu Gln			
	95		100		105
Glu Asn Ala Pro Glu	Phe Val Lys Val	Lys Gly Asn Leu Arg Arg			
	110		115		120
Thr Gly Gln Glu Val	Ala Gln Ala Gln	Glu Ser			
	125		130		

&lt;210&gt; 43

&lt;211&gt; 812

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2797839CD1

&lt;400&gt; 43

Met Gly Arg Lys Leu	Asp Pro Thr Lys	Glu Lys Arg Gly Pro Gly			
1	5	10			15
Arg Lys Ala Arg Lys	Gln Lys Gly Ala	Glu Thr Glu Leu Val Arg			
	20	25			30
Phe Leu Pro Ala Val	Ser Asp Glu Asn	Ser Lys Arg Leu Ser Ser			
	35	40			45
Arg Ala Arg Lys Arg	Ala Ala Lys Arg	Arg Leu Gly Ser Val Glu			
	50	55			60
Ala Pro Lys Thr Asn	Lys Ser Pro Glu	Ala Lys Pro Leu Pro Gly			
	65	70			75
Lys Leu Pro Lys Gly	Ile Ser Ala Gly	Ala Val Gln Thr Ala Gly			
	80	85			90
Lys Lys Gly Pro Gln	Ser Leu Phe Asn	Ala Pro Arg Gly Lys Lys			
	95	100			105
Arg Pro Ala Pro Gly	Ser Asp Glu Glu	Glu Glu Glu Asp Ser			
	110	115			120
Glu Glu Asp Gly Met	Val Asn His Gly	Asp Leu Trp Gly Ser Glu			
	125	130			135
Asp Asp Ala Asp Thr	Val Asp Asp Tyr	Gly Ala Asp Ser Asn Ser			
	140	145			150
Glu Asp Glu Glu Glu	Gly Glu Ala Leu	Leu Pro Ile Glu Arg Ala			
	155	160			165
Ala Arg Lys Gln Lys	Ala Arg Glu Ala	Ala Ala Gly Ile Gln Trp			
	170	175			180
Ser Glu Glu Glu Thr	Glu Asp Glu Glu	Glu Glu Lys Glu Val Thr			
	185	190			195
Pro Glu Ser Gly Pro	Pro Lys Val Glu	Glu Ala Asp Gly Gly Leu			
	200	205			210
Gln Ile Asn Val Asp	Glu Glu Pro Phe	Val Leu Pro Pro Ala Gly			
	215	220			225
Glu Met Glu Gln Asp	Ala Gln Ala Pro	Asp Leu Gln Arg Val His			
	230	235			240
Lys Arg Ile Gln Asp	Ile Val Gly Ile	Leu Arg Asp Phe Gly Ala			
	245	250			255
Gln Arg Glu Glu Gly	Arg Ser Arg Ser	Glu Tyr Leu Asn Arg Leu			
	260	265			270
Lys Lys Asp Leu Ala	Ile Tyr Tyr Ser	Tyr Gly Asp Phe Leu Leu			
	275	280			285
Gly Lys Leu Met Asp	Leu Phe Pro Leu	Ser Glu Leu Val Glu Phe			
	290	295			300
Leu Glu Ala Asn Glu	Val Pro Arg Pro	Val Thr Leu Arg Thr Asn			
	305	310			315

Thr	Leu	Lys	Thr	Arg	Arg	Arg	Asp	Leu	Ala	Gln	Ala	Leu	Ile	Asn
				320					325					330
Arg	Gly	Val	Asn	Leu	Asp	Pro	Leu	Gly	Lys	Trp	Ser	Lys	Thr	Gly
				335					340					345
Leu	Val	Val	Tyr	Asp	Ser	Ser	Val	Pro	Ile	Gly	Ala	Thr	Pro	Glu
				350					355					360
Tyr	Leu	Ala	Gly	His	Tyr	Met	Leu	Gln	Gly	Ala	Ser	Ser	Met	Leu
				365					370					375
Pro	Val	Met	Ala	Leu	Ala	Pro	Gln	Glu	His	Glu	Arg	Ile	Leu	Asp
				380					385					390
Met	Cys	Cys	Ala	Pro	Gly	Gly	Lys	Thr	Ser	Tyr	Met	Ala	Gln	Leu
				395					400					405
Met	Lys	Asn	Thr	Gly	Val	Ile	Leu	Ala	Asn	Asp	Ala	Asn	Ala	Glu
				410					415					420
Arg	Leu	Lys	Ser	Val	Val	Gly	Asn	Leu	His	Arg	Leu	Gly	Val	Thr
				425					430					435
Asn	Thr	Ile	Ile	Ser	His	Tyr	Asp	Gly	Arg	Gln	Phe	Pro	Lys	Val
				440					445					450
Val	Gly	Gly	Phe	Asp	Arg	Val	Leu	Leu	Asp	Ala	Pro	Cys	Ser	Gly
				455					460					465
Thr	Gly	Val	Ile	Ser	Lys	Asp	Pro	Ala	Val	Lys	Thr	Asn	Lys	Asp
				470					475					480
Glu	Lys	Asp	Ile	Leu	Arg	Cys	Ala	His	Leu	Gln	Lys	Glu	Leu	Leu
				485					490					495
Leu	Ser	Ala	Ile	Asp	Ser	Val	Asn	Ala	Thr	Ser	Lys	Thr	Gly	Gly
				500					505					510
Tyr	Leu	Val	Tyr	Cys	Thr	Cys	Ser	Ile	Thr	Val	Glu	Glu	Asn	Glu
				515					520					525
Trp	Val	Val	Asp	Tyr	Ala	Leu	Lys	Lys	Arg	Asn	Val	Arg	Leu	Val
				530					535					540
Pro	Thr	Gly	Leu	Asp	Phe	Gly	Gln	Glu	Gly	Phe	Thr	Arg	Phe	Arg
				545					550					555
Glu	Arg	Arg	Phe	His	Pro	Ser	Leu	Arg	Ser	Thr	Arg	Arg	Phe	Tyr
				560					565					570
Pro	His	Thr	His	Asn	Met	Asp	Gly	Phe	Phe	Ile	Ala	Lys	Phe	Lys
				575					580					585
Lys	Phe	Ser	Asn	Ser	Ile	Pro	Gln	Ser	Gln	Thr	Gly	Asn	Ser	Glu
				590					595					600
Thr	Ala	Thr	Pro	Thr	Asn	Val	Asp	Leu	Pro	Gln	Val	Ile	Pro	Lys
				605					610					615
Ser	Glu	Asn	Ser	Ser	Gln	Pro	Ala	Lys	Lys	Ala	Lys	Gly	Ala	Ala
				620					625					630
Lys	Thr	Lys	Gln	Gln	Leu	Gln	Lys	Gln	Gln	His	Pro	Lys	Lys	Ala
				635					640					645
Ser	Phe	Gln	Lys	Leu	Asn	Gly	Ile	Ser	Lys	Gly	Ala	Asp	Ser	Glu
				650					655					660
Leu	Ser	Thr	Val	Pro	Ser	Val	Thr	Lys	Thr	Gln	Ala	Ser	Ser	Ser
				665					670					675
Phe	Gln	Asp	Ser	Ser	Gln	Pro	Ala	Gly	Lys	Ala	Glu	Gly	Ile	Arg
				680					685					690
Glu	Pro	Lys	Val	Thr	Gly	Lys	Leu	Lys	Gln	Arg	Ser	Pro	Lys	Leu
				695					700					705
Gln	Ser	Ser	Lys	Lys	Val	Ala	Phe	Leu	Arg	Gln	Asn	Ala	Pro	Pro
				710					715					720
Lys	Gly	Thr	Asp	Thr	Gln	Thr	Pro	Ala	Val	Leu	Ser	Pro	Ser	Lys
				725					730					735
Thr	Gln	Ala	Thr	Leu	Lys	Pro	Lys	Asp	His	His	Gln	Pro	Leu	Gly
				740					745					750
Arg	Ala	Lys	Gly	Val	Glu	Lys	Gln	Gln	Leu	Pro	Glu	Gln	Pro	Phe
				755					760					765
Glu	Lys	Ala	Ala	Phe	Gln	Lys	Gln	Asn	Asp	Thr	Pro	Lys	Gly	Pro
				770					775					780
Gln	Pro	Pro	Thr	Val	Ser	Pro	Ile	Arg	Ser	Ser	Arg	Pro	Pro	Pro

Ala	Lys	Arg	Lys	Lys	Ser	Gln	Ser	Arg	Gly	Asn	Ser	Gln	Leu	Leu
				785					790					795
				800					805					810

Leu Ser

&lt;210&gt; 44

&lt;211&gt; 537

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2959521CD1

&lt;400&gt; 44

Met	Arg	Gly	Val	Gly	Ala	Arg	Val	Tyr	Ala	Asp	Ala	Pro	Ala	Lys
1				5					10					15
Leu	Leu	Leu	Pro	Pro	Pro	Ala	Ala	Trp	Asp	Leu	Ala	Val	Arg	Leu
				20					25					30
Arg	Gly	Ala	Glu	Ala	Ala	Ser	Glu	Arg	Gln	Val	Tyr	Ser	Val	Thr
				35					40					45
Met	Lys	Leu	Leu	Leu	Leu	His	Pro	Ala	Phe	Gln	Ser	Cys	Leu	Leu
				50					55					60
Leu	Thr	Leu	Leu	Gly	Leu	Trp	Arg	Thr	Thr	Pro	Glu	Ala	His	Ala
				65					70					75
Ser	Ser	Leu	Gly	Ala	Pro	Ala	Ile	Ser	Ala	Ala	Ser	Phe	Leu	Gln
				80					85					90
Asp	Leu	Ile	His	Arg	Tyr	Gly	Glu	Gly	Asp	Ser	Leu	Thr	Leu	Gln
				95					100					105
Gln	Leu	Lys	Ala	Leu	Leu	Asn	His	Leu	Asp	Val	Gly	Val	Gly	Arg
				110					115					120
Gly	Asn	Val	Thr	Gln	His	Val	Gln	Gly	His	Arg	Asn	Leu	Ser	Thr
				125					130					135
Cys	Phe	Ser	Ser	Gly	Asp	Leu	Phe	Thr	Ala	His	Asn	Phe	Ser	Glu
				140					145					150
Gln	Ser	Arg	Ile	Gly	Ser	Ser	Glu	Leu	Gln	Glu	Phe	Cys	Pro	Thr
				155					160					165
Ile	Leu	Gln	Gln	Leu	Asp	Ser	Arg	Ala	Cys	Thr	Ser	Glu	Asn	Gln
				170					175					180
Glu	Asn	Glu	Glu	Asn	Glu	Gln	Thr	Glu	Glu	Gly	Arg	Pro	Ser	Ala
				185					190					195
Val	Glu	Val	Trp	Gly	Tyr	Gly	Leu	Leu	Cys	Val	Thr	Val	Ile	Ser
				200					205					210
Leu	Cys	Ser	Leu	Leu	Gly	Ala	Ser	Val	Val	Pro	Phe	Met	Lys	Lys
				215					220					225
Thr	Phe	Tyr	Lys	Arg	Leu	Leu	Leu	Tyr	Phe	Ile	Ala	Leu	Ala	Ile
				230					235					240
Gly	Thr	Leu	Tyr	Ser	Asn	Ala	Leu	Phe	Gln	Leu	Ile	Pro	Glu	Ala
				245					250					255
Phe	Gly	Phe	Asn	Pro	Leu	Glu	Asp	Tyr	Tyr	Val	Ser	Lys	Ser	Ala
				260					265					270
Val	Val	Phe	Gly	Gly	Phe	Tyr	Leu	Phe	Phe	Phe	Thr	Glu	Lys	Ile
				275					280					285
Leu	Lys	Ile	Leu	Leu	Lys	Gln	Lys	Asn	Glu	His	His	His	Gly	His
				290					295					300
Ser	His	Tyr	Ala	Ser	Glu	Ser	Leu	Pro	Ser	Lys	Lys	Asp	Gln	Glu
				305					310					315
Glu	Gly	Val	Met	Glu	Lys	Leu	Gln	Asn	Gly	Asp	Leu	Asp	His	Met
				320					325					330
Ile	Pro	Gln	His	Cys	Ser	Ser	Glu	Leu	Asp	Gly	Lys	Ala	Pro	Met
				335					340					345
Val	Asp	Glu	Lys	Val	Ile	Val	Gly	Ser	Leu	Ser	Val	Gln	Asp	Leu
				350					355					360

Gln Ala Ser Gln Ser Ala Cys Tyr Trp Leu Lys Gly Val Arg Tyr  
 365 370  
 Ser Asp Ile Gly Thr Leu Ala Trp Met Ile Thr Leu Ser Asp Gly  
 380 385  
 Leu His Asn Phe Ile Asp Gly Leu Ala Ile Gly Ala Ser Phe Thr  
 395 400  
 Val Ser Val Phe Gln Gly Ile Ser Thr Ser Val Ala Ile Leu Cys  
 410 415  
 Glu Glu Phe Pro His Glu Leu Gly Asp Phe Val Ile Leu Leu Asn  
 425 430  
 Ala Gly Met Ser Ile Gln Gln Ala Leu Phe Phe Asn Phe Leu Ser  
 440 445  
 Ala Cys Cys Cys Tyr Leu Gly Leu Ala Phe Gly Ile Leu Ala Gly  
 455 460  
 Ser His Phe Ser Ala Asn Trp Ile Phe Ala Leu Ala Gly Gly Met  
 470 475  
 Phe Leu Tyr Ile Ser Leu Ala Asp Met Phe Pro Glu Met Asn Glu  
 485 490  
 Val Cys Gln Glu Asp Glu Arg Lys Gly Ser Ile Leu Ile Pro Phe  
 500 505  
 Ile Ile Gln Asn Leu Gly Leu Leu Thr Gly Phe Thr Ile Met Val  
 515 520  
 Val Leu Thr Met Tyr Ser Gly Gln Ile Gln Ile Gly  
 530 535

&lt;210&gt; 45

&lt;211&gt; 584

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3082014CD1

&lt;400&gt; 45

Met Leu Trp Gly Gly Arg Val Gly Leu Thr Gly Val Phe Gln Ser  
 1 5 10 15  
 Leu Ser Tyr Arg Gly Lys Cys Ser Val Thr Leu Leu Asn Glu Thr  
 20 25 30  
 Asp Ile Leu Ser Gln Tyr Leu Glu Lys Glu Asp Cys Phe Phe Tyr  
 35 40 45  
 Ser Leu Val Phe Asp Pro Val Gln Lys Thr Leu Leu Ala Asp Gln  
 50 55 60  
 Gly Glu Ile Arg Val Gly Cys Lys Tyr Gln Ala Glu Ile Pro Asp  
 65 70 75  
 Arg Leu Val Glu Gly Glu Ser Asp Asn Arg Asn Gln Gln Lys Met  
 80 85 90  
 Glu Met Lys Val Trp Asp Pro Asp Asn Pro Leu Thr Asp Arg Gln  
 95 100 105  
 Ile Asp Gln Phe Leu Val Val Ala Arg Ala Val Gly Thr Phe Ala  
 110 115 120  
 Arg Ala Leu Asp Cys Ser Ser Ser Ile Arg Gln Pro Ser Leu His  
 125 130 135  
 Met Ser Ala Ala Ala Ala Ser Arg Asp Ile Thr Leu Phe His Ala  
 140 145 150  
 Met Asp Thr Leu Gln Arg Asn Gly Tyr Asp Leu Ala Lys Ala Met  
 155 160 165  
 Ser Thr Leu Val Pro Gln Gly Gly Pro Val Leu Cys Arg Asp Glu  
 170 175 180  
 Met Glu Glu Trp Ser Ala Ser Glu Ala Met Leu Phe Glu Glu Ala  
 185 190 195  
 Leu Glu Lys Tyr Gly Lys Asp Phe Asn Asp Ile Arg Gln Asp Phe  
 200 205 210  
 Leu Pro Trp Lys Ser Leu Ala Ser Ile Val Gln Phe Tyr Tyr Met

				215					220				225	
Trp	Lys	Thr	Thr	Asp	Arg	Tyr	Ile	Gln	Gln	Lys	Arg	Leu	Lys	Ala
				230					235					240
Ala	Glu	Ala	Asp	Ser	Lys	Leu	Lys	Gln	Val	Tyr	Ile	Pro	Thr	Tyr
				245					250					255
Thr	Lys	Pro	Asn	Pro	Asn	Gln	Ile	Ile	Ser	Val	Gly	Ser	Lys	Pro
				260					265					270
Gly	Met	Asn	Gly	Ala	Gly	Phe	Gln	Lys	Gly	Leu	Thr	Cys	Glu	Ser
				275					280					285
Cys	His	Thr	Thr	Gln	Ser	Ala	Gln	Trp	Tyr	Ala	Trp	Gly	Pro	Pro
				290					295					300
Asn	Met	Gln	Cys	Arg	Leu	Cys	Ala	Ser	Cys	Trp	Ile	Tyr	Trp	Lys
				305					310					315
Lys	Tyr	Gly	Gly	Leu	Lys	Thr	Pro	Thr	Gln	Leu	Glu	Gly	Ala	Thr
				320					325					330
Arg	Gly	Thr	Thr	Glu	Pro	His	Ser	Arg	Gly	His	Leu	Ser	Arg	Pro
				335					340					345
Glu	Ala	Gln	Ser	Leu	Ser	Pro	Tyr	Thr	Thr	Ser	Ala	Asn	Arg	Ala
				350					355					360
Lys	Leu	Leu	Ala	Lys	Asn	Arg	Gln	Thr	Phe	Leu	Leu	Gln	Thr	Thr
				365					370					375
Lys	Leu	Thr	Arg	Leu	Ala	Arg	Arg	Met	Cys	Arg	Asp	Leu	Leu	Gln
				380					385					390
Pro	Arg	Arg	Ala	Ala	Arg	Arg	Pro	Tyr	Ala	Pro	Ile	Asn	Ala	Asn
				395					400					405
Ala	Ile	Lys	Ala	Glu	Cys	Ser	Ile	Arg	Leu	Pro	Lys	Ala	Ala	Lys
				410					415					420
Thr	Pro	Leu	Lys	Ile	His	Pro	Leu	Val	Arg	Leu	Pro	Leu	Ala	Thr
				425					430					435
Ile	Val	Lys	Asp	Leu	Val	Ala	Gln	Ala	Pro	Leu	Lys	Pro	Lys	Thr
				440					445					450
Pro	Arg	Gly	Thr	Lys	Thr	Pro	Ile	Asn	Arg	Asn	Gln	Leu	Ser	Gln
				455					460					465
Asn	Arg	Gly	Leu	Gly	Gly	Ile	Met	Val	Lys	Arg	Ala	Tyr	Glu	Thr
				470					475					480
Met	Ala	Gly	Ala	Gly	Val	Pro	Phe	Ser	Ala	Asn	Gly	Arg	Pro	Leu
				485					490					495
Ala	Ser	Gly	Ile	Arg	Ser	Ser	Ser	Gln	Pro	Ala	Ala	Lys	Arg	Gln
				500					505					510
Lys	Leu	Asn	Pro	Ala	Asp	Ala	Pro	Asn	Pro	Val	Val	Phe	Val	Ala
				515					520					525
Thr	Lys	Asp	Thr	Arg	Ala	Leu	Arg	Lys	Ala	Leu	Thr	His	Leu	Glu
				530					535					540
Met	Arg	Arg	Ala	Ala	Arg	Arg	Pro	Asn	Leu	Pro	Leu	Lys	Val	Lys
				545					550					555
Pro	Thr	Leu	Ile	Ala	Val	Arg	Pro	Pro	Val	Pro	Leu	Pro	Ala	Pro
				560					565					570
Ser	His	Pro	Ala	Ser	Thr	Asn	Glu	Pro	Ile	Val	Leu	Glu	Asp	
				575					580					

&lt;210&gt; 46

&lt;211&gt; 425

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3520701CD1

&lt;400&gt; 46

Met	Ala	Gly	Ala	Glu	Gly	Ala	Ala	Gly	Arg	Gln	Ser	Glu	Leu	Glu
1				5					10					15
Pro	Val	Val	Ser	Leu	Val	Asp	Val	Leu	Glu	Glu	Asp	Glu	Glu	Leu
				20					25					30

Glu	Asn	Glu	Ala	Cys	Ala	Val	Leu	Gly	Gly	Ser	Asp	Ser	Glu	Lys
				35					40					45
Cys	Ser	Tyr	Ser	Gln	Gly	Ser	Val	Lys	Arg	Gln	Ala	Leu	Tyr	Ala
				50					55					60
Cys	Ser	Thr	Cys	Thr	Pro	Glu	Gly	Glu	Glu	Pro	Ala	Gly	Ile	Cys
				65					70					75
Leu	Ala	Cys	Ser	Tyr	Glu	Cys	His	Gly	Ser	His	Lys	Leu	Phe	Glu
				80					85					90
Leu	Tyr	Thr	Lys	Arg	Asn	Phe	Arg	Cys	Asp	Cys	Gly	Asn	Ser	Lys
				95					100					105
Phe	Lys	Asn	Leu	Glu	Cys	Lys	Leu	Leu	Pro	Asp	Lys	Ala	Lys	Val
				110					115					120
Asn	Ser	Gly	Asn	Lys	Tyr	Asn	Asp	Asn	Phe	Phe	Gly	Leu	Tyr	Cys
				125					130					135
Ile	Cys	Lys	Arg	Pro	Tyr	Pro	Asp	Pro	Glu	Asp	Glu	Ile	Pro	Asp
				140					145					150
Glu	Met	Ile	Gln	Cys	Val	Val	Cys	Glu	Asp	Trp	Phe	His	Gly	Arg
				155					160					165
His	Leu	Gly	Ala	Ile	Pro	Pro	Glu	Ser	Gly	Asp	Phe	Gln	Glu	Met
				170					175					180
Val	Cys	Gln	Ala	Cys	Met	Lys	Arg	Cys	Ser	Phe	Leu	Trp	Ala	Tyr
				185					190					195
Ala	Ala	Gln	Leu	Ala	Val	Thr	Lys	Ile	Ser	Thr	Glu	Asp	Asp	Gly
				200					205					210
Leu	Val	Arg	Asn	Ile	Asp	Gly	Ile	Gly	Asp	Gln	Glu	Val	Ile	Lys
				215					220					225
Pro	Glu	Asn	Gly	Glu	His	Gln	Asp	Ser	Thr	Leu	Lys	Glu	Asp	Val
				230					235					240
Pro	Glu	Gln	Gly	Lys	Asp	Asp	Val	Arg	Glu	Val	Lys	Val	Glu	Gln
				245					250					255
Asn	Ser	Glu	Pro	Cys	Ala	Gly	Ser	Ser	Ser	Glu	Ser	Asp	Leu	Gln
				260					265					270
Thr	Val	Phe	Lys	Asn	Glu	Ser	Leu	Asn	Ala	Glu	Ser	Lys	Ser	Gly
				275					280					285
Cys	Lys	Leu	Gln	Glu	Leu	Lys	Ala	Lys	Gln	Leu	Ile	Lys	Lys	Asp
				290					295					300
Thr	Ala	Thr	Tyr	Trp	Pro	Leu	Asn	Trp	Arg	Ser	Lys	Leu	Cys	Thr
				305					310					315
Cys	Gln	Asp	Cys	Met	Lys	Met	Tyr	Gly	Asp	Leu	Asp	Val	Leu	Phe
				320					325					330
Leu	Thr	Asp	Glu	Tyr	Asp	Thr	Val	Leu	Ala	Tyr	Glu	Asn	Lys	Gly
				335					340					345
Lys	Ile	Ala	Gln	Ala	Thr	Asp	Arg	Ser	Asp	Pro	Leu	Met	Asp	Thr
				350					355					360
Leu	Ser	Ser	Met	Asn	Arg	Val	Gln	Gln	Val	Glu	Leu	Ile	Cys	Glu
				365					370					375
Tyr	Asn	Asp	Leu	Lys	Thr	Glu	Leu	Lys	Asp	Tyr	Leu	Lys	Arg	Phe
				380					385					390
Ala	Asp	Glu	Gly	Thr	Val	Val	Lys	Arg	Glu	Asp	Ile	Gln	Gln	Phe
				395					400					405
Phe	Glu	Glu	Phe	Gln	Ser	Lys	Lys	Arg	Arg	Arg	Val	Asp	Gly	Met
				410					415					420
Gln	Tyr	Tyr	Cys	Ser										
				425										

&lt;210&gt; 47

&lt;211&gt; 255

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 4184320CD1

&lt;400&gt; 47

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Met Tyr Val Arg Val Ser Phe Asp Thr Lys Pro Asp Leu Leu Leu
 1      5      10      15
His Leu Met Thr Lys Glu Trp Gln Leu Glu Leu Pro Lys Leu Leu
 20      25      30
Ile Ser Val His Gly Gly Leu Gln Asn Phe Glu Leu Gln Pro Lys
 35      40      45
Leu Lys Gln Val Phe Gly Lys Gly Leu Ile Lys Ala Ala Met Thr
 50      55      60
Thr Gly Ala Trp Ile Phe Thr Gly Gly Val Asn Thr Gly Val Ile
 65      70      75
Arg His Val Gly Asp Ala Leu Lys Asp His Ala Ser Lys Ser Arg
 80      85      90
Gly Lys Ile Cys Thr Ile Gly Ile Ala Pro Trp Gly Ile Val Glu
 95     100     105
Asn Gln Glu Asp Leu Ile Gly Arg Asp Val Val Arg Pro Tyr Gln
110     115     120
Thr Met Ser Asn Pro Met Ser Lys Leu Thr Val Leu Asn Ser Met
125     130     135
His Ser His Phe Ile Leu Ala Asp Asn Gly Thr Thr Gly Lys Tyr
140     145     150
Gly Ala Glu Val Lys Leu Arg Arg Gln Leu Glu Lys His Ile Ser
155     160     165
Leu Gln Lys Ile Asn Thr Arg Cys Leu Pro Phe Phe Ser Leu Asp
170     175     180
Ser Arg Leu Phe Tyr Ser Phe Trp Gly Ser Cys Gln Leu Asp Ser
185     190     195
Val Gly Ile Gly Gln Gly Val Pro Val Val Ala Leu Ile Val Glu
200     205     210
Gly Gly Pro Asn Val Ile Ser Ile Val Leu Glu Tyr Leu Arg Asp
215     220     225
Thr Pro Pro Val Pro Val Val Val Cys Asp Gly Ser Gly Arg Ala
230     235     240
Ser Asp Ile Leu Ala Phe Gly His Lys Tyr Ser Glu Glu Gly Gly
245     250     255

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&lt;210&gt; 48

&lt;211&gt; 111

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 4764233CD1

&lt;400&gt; 48

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Met Ser Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg
 1      5      10      15
Ser Leu Gln Pro Pro Glu Leu Ile Gly Ala Met Leu Glu Pro Thr
 20      25      30
Asp Glu Glu Pro Lys Glu Glu Lys Pro Pro Thr Lys Ser Arg Asn
 35      40      45
Pro Thr Pro Asp Gln Lys Arg Glu Asp Asp Gln Gly Ala Ala Glu
 50      55      60
Ile Gln Val Pro Asp Leu Glu Ala Asp Leu Gln Glu Leu Cys Gln
 65      70      75
Thr Lys Thr Gly Asp Gly Cys Glu Gly Gly Thr Asp Val Lys Gly
 80      85      90
Lys Ile Leu Pro Lys Ala Glu His Phe Lys Met Pro Glu Ala Gly
 95     100     105
Glu Gly Lys Ser Gln Val
110

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&lt;210&gt; 49

<211> 422  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 4817352CD1

<400> 49  
 Met Gly Lys Ala Lys Val Pro Ala Ser Lys Arg Ala Pro Ser Ser  
 1 5 10 15  
 Pro Val Ala Lys Pro Gly Pro Val Lys Thr Leu Thr Arg Lys Lys  
 20 25 30  
 Asn Lys Lys Lys Lys Arg Phe Trp Lys Ser Lys Ala Arg Glu Val  
 35 40 45  
 Ser Lys Lys Pro Ala Ser Gly Pro Gly Ala Val Val Arg Pro Pro  
 50 55 60  
 Lys Ala Pro Glu Asp Phe Ser Gln Asn Trp Lys Ala Leu Gln Glu  
 65 70 75  
 Trp Leu Leu Lys Gln Lys Ser Gln Ala Pro Glu Lys Pro Leu Val  
 80 85 90  
 Ile Ser Gln Met Gly Ser Lys Lys Lys Pro Lys Ile Ile Gln Gln  
 95 100 105  
 Asn Lys Lys Glu Thr Ser Pro Gln Val Lys Gly Glu Glu Met Pro  
 110 115 120  
 Ala Gly Lys Asp Gln Glu Ala Ser Arg Gly Ser Val Pro Ser Gly  
 125 130 135  
 Ser Lys Met Asp Arg Arg Ala Pro Val Pro Arg Thr Lys Ala Ser  
 140 145 150  
 Gly Thr Glu His Asn Lys Lys Gly Thr Lys Glu Arg Thr Asn Gly  
 155 160 165  
 Asp Ile Val Pro Glu Arg Gly Asp Ile Glu His Lys Lys Arg Lys  
 170 175 180  
 Ala Lys Glu Ala Ala Pro Ala Pro Pro Thr Glu Glu Asp Ile Trp  
 185 190 195  
 Phe Asp Asp Val Asp Pro Ala Asp Ile Glu Ala Ala Ile Gly Pro  
 200 205 210  
 Glu Ala Ala Lys Ile Ala Arg Lys Gln Leu Gly Gln Ser Glu Gly  
 215 220 225  
 Ser Val Ser Leu Ser Leu Val Lys Glu Gln Ala Phe Gly Gly Leu  
 230 235 240  
 Thr Arg Ala Leu Ala Leu Asp Cys Glu Met Val Gly Val Gly Pro  
 245 250 255  
 Lys Gly Glu Glu Ser Met Ala Ala Arg Val Ser Ile Val Asn Gln  
 260 265 270  
 Tyr Gly Lys Cys Val Tyr Asp Lys Tyr Val Lys Pro Thr Glu Pro  
 275 280 285  
 Val Thr Asp Tyr Arg Thr Ala Val Ser Gly Ile Arg Pro Glu Asn  
 290 295 300  
 Leu Lys Gln Gly Glu Glu Leu Glu Val Val Gln Lys Glu Val Ala  
 305 310 315  
 Glu Met Leu Lys Gly Arg Ile Leu Val Gly His Ala Leu His Asn  
 320 325 330  
 Asp Leu Lys Val Leu Phe Leu Asp His Pro Lys Lys Lys Ile Arg  
 335 340 345  
 Asp Thr Gln Lys Tyr Lys Pro Phe Lys Ser Gln Val Lys Ser Gly  
 350 355 360  
 Arg Pro Ser Leu Arg Leu Leu Ser Glu Lys Ile Leu Gly Leu Gln  
 365 370 375  
 Val Gln Gln Ala Glu His Cys Ser Ile Gln Asp Ala Gln Ala Ala  
 380 385 390  
 Met Arg Leu Tyr Val Met Val Lys Lys Glu Trp Glu Ser Met Ala  
 395 400 405

Arg Asp Arg Arg Pro Leu Leu Thr Ala Pro Asp His Cys Ser Asp  
 410 415 420

Asp Ala

<210> 50

<211> 397

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 5040573CD1

<400> 50

Met	Ala	Met	Ile	Glu	Leu	Gly	Phe	Gly	Arg	Gln	Asn	Phe	His	Pro
1				5					10					15
Leu	Lys	Arg	Lys	Ser	Ser	Leu	Leu	Leu	Lys	Leu	Ile	Ala	Val	Val
				20					25					30
Phe	Ala	Val	Leu	Leu	Phe	Cys	Glu	Phe	Leu	Ile	Tyr	Tyr	Leu	Ala
				35					40					45
Ile	Phe	Gln	Cys	Asn	Trp	Pro	Glu	Val	Lys	Thr	Thr	Ala	Ser	Asp
				50					55					60
Gly	Glu	Gln	Thr	Thr	Arg	Glu	Pro	Val	Leu	Lys	Ala	Met	Phe	Leu
				65					70					75
Ala	Asp	Thr	His	Leu	Leu	Gly	Glu	Phe	Leu	Gly	His	Trp	Leu	Asp
				80					85					90
Lys	Leu	Arg	Arg	Glu	Trp	Gln	Met	Glu	Arg	Ala	Phe	Gln	Thr	Ala
				95					100					105
Leu	Trp	Leu	Leu	Gln	Pro	Glu	Val	Val	Phe	Ile	Leu	Gly	Asp	Ile
				110					115					120
Phe	Asp	Glu	Gly	Lys	Trp	Ser	Thr	Pro	Glu	Ala	Trp	Ala	Asp	Asp
				125					130					135
Val	Glu	Arg	Phe	Gln	Lys	Met	Phe	Arg	His	Pro	Ser	His	Val	Gln
				140					145					150
Leu	Lys	Val	Val	Ala	Gly	Asn	His	Asp	Ile	Gly	Phe	His	Tyr	Glu
				155					160					165
Met	Asn	Thr	Tyr	Lys	Val	Glu	Arg	Phe	Glu	Lys	Val	Phe	Ser	Ser
				170					175					180
Glu	Arg	Leu	Phe	Ser	Trp	Lys	Gly	Ile	Asn	Phe	Val	Met	Val	Asn
				185					190					195
Ser	Val	Ala	Leu	Asn	Gly	Asp	Gly	Cys	Gly	Ile	Cys	Ser	Glu	Thr
				200					205					210
Glu	Ala	Glu	Leu	Ile	Glu	Val	Ser	His	Arg	Leu	Asn	Cys	Ser	Arg
				215					220					225
Glu	Gln	Ala	Arg	Gly	Ser	Ser	Arg	Cys	Gly	Pro	Gly	Pro	Leu	Leu
				230					235					240
Pro	Thr	Ser	Ala	Pro	Val	Leu	Leu	Gln	His	Tyr	Pro	Leu	Tyr	Arg
				245					250					255
Arg	Ser	Asp	Ala	Asn	Cys	Ser	Gly	Glu	Asp	Ala	Ala	Pro	Pro	Glu
				260					265					270
Glu	Arg	Asp	Ile	Pro	Phe	Lys	Glu	Asn	Tyr	Asp	Val	Leu	Ser	Arg
				275					280					285
Glu	Ala	Ser	Gln	Lys	Leu	Leu	Trp	Trp	Leu	Gln	Pro	Arg	Leu	Val
				290					295					300
Leu	Ser	Gly	His	Thr	His	Ser	Ala	Cys	Glu	Val	His	His	Gly	Gly
				305					310					315
Arg	Val	Pro	Glu	Leu	Ser	Val	Pro	Ser	Phe	Ser	Trp	Arg	Asn	Arg
				320					325					330
Asn	Asn	Pro	Ser	Phe	Ile	Met	Gly	Ser	Ile	Thr	Pro	Thr	Asp	Tyr
				335					340					345
Thr	Leu	Ser	Lys	Cys	Tyr	Leu	Pro	Arg	Glu	Asp	Val	Val	Leu	Ile
				350					355					360
Ile	Tyr	Cys	Gly	Val	Val	Gly	Phe	Leu	Val	Val	Leu	Thr	Leu	Thr

365 370 375  
 His Phe Gly Leu Leu Ala Ser Pro Phe Leu Ser Gly Leu Asn Leu  
 380 385 390  
 Leu Gly Lys Arg Lys Thr Arg  
 395

<210> 51  
 <211> 800  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 5627029CD1

<400> 51  
 Met Gly Ser Ser Lys Lys His Arg Gly Glu Lys Glu Ala Ala Gly  
 1 5 10 15  
 Thr Thr Ala Ala Ala Gly Thr Gly Gly Thr Glu Gln Pro Pro  
 20 25 30  
 Arg His Arg Glu His Lys Lys His Lys His Arg Ser Gly Gly Ser  
 35 40 45  
 Gly Gly Ser Gly Gly Glu Arg Arg Lys Arg Ser Arg Glu Arg Gly  
 50 55 60  
 Gly Glu Arg Gly Ser Gly Arg Arg Gly Ala Glu Ala Glu Ala Arg  
 65 70 75  
 Ser Ser Thr His Gly Arg Glu Arg Ser Gln Ala Glu Pro Ser Glu  
 80 85 90  
 Arg Arg Val Lys Arg Glu Lys Arg Asp Asp Gly Tyr Glu Ala Ala  
 95 100 105  
 Ala Ser Ser Lys Thr Ser Ser Gly Asp Ala Ser Ser Leu Ser Ile  
 110 115 120  
 Glu Glu Thr Asn Lys Leu Arg Ala Lys Leu Gly Leu Lys Pro Leu  
 125 130 135  
 Glu Val Asn Ala Ile Lys Lys Glu Ala Gly Thr Lys Glu Glu Pro  
 140 145 150  
 Val Thr Ala Asp Val Ile Asn Pro Met Ala Leu Arg Gln Arg Glu  
 155 160 165  
 Glu Leu Arg Glu Lys Leu Ala Ala Ala Lys Glu Lys Arg Leu Leu  
 170 175 180  
 Asn Gln Lys Leu Gly Lys Ile Lys Thr Leu Gly Glu Asp Asp Pro  
 185 190 195  
 Trp Leu Asp Asp Thr Ala Ala Trp Ile Glu Arg Ser Arg Gln Leu  
 200 205 210  
 Gln Lys Glu Lys Asp Leu Ala Glu Lys Arg Ala Lys Leu Leu Glu  
 215 220 225  
 Glu Met Asp Gln Glu Phe Gly Val Ser Thr Leu Val Glu Glu Glu  
 230 235 240  
 Phe Gly Gln Arg Arg Gln Asp Leu Tyr Ser Ala Arg Asp Leu Gln  
 245 250 255  
 Gly Leu Thr Val Glu His Ala Ile Asp Ser Phe Arg Glu Gly Glu  
 260 265 270  
 Thr Met Ile Leu Thr Leu Lys Asp Lys Gly Val Leu Gln Glu Glu  
 275 280 285  
 Glu Asp Val Leu Val Asn Val Asn Leu Val Asp Lys Glu Arg Ala  
 290 295 300  
 Glu Lys Asn Val Glu Leu Arg Lys Lys Lys Pro Asp Tyr Leu Pro  
 305 310 315  
 Tyr Ala Glu Asp Glu Ser Val Asp Asp Leu Ala Gln Gln Lys Pro  
 320 325 330  
 Arg Ser Ile Leu Ser Lys Tyr Asp Glu Glu Leu Glu Gly Glu Arg  
 335 340 345  
 Pro His Ser Phe Arg Leu Glu Gln Gly Gly Thr Ala Asp Gly Leu  
 350 355 360

Arg	Glu	Arg	Glu	Leu	Glu	Glu	Ile	Arg	Ala	Lys	Leu	Arg	Leu	Gln
				365					370					375
Ala	Gln	Ser	Leu	Ser	Thr	Val	Gly	Pro	Arg	Leu	Ala	Ser	Glu	Tyr
				380					385					390
Leu	Thr	Pro	Glu	Glu	Met	Val	Thr	Phe	Lys	Lys	Thr	Lys	Arg	Arg
				395					400					405
Val	Lys	Lys	Ile	Arg	Lys	Lys	Glu	Lys	Glu	Val	Val	Val	Arg	Ala
				410					415					420
Asp	Asp	Leu	Leu	Pro	Leu	Gly	Asp	Gln	Thr	Gln	Asp	Gly	Asp	Phe
				425					430					435
Gly	Ser	Arg	Leu	Arg	Gly	Arg	Gly	Arg	Arg	Arg	Val	Ser	Glu	Val
				440					445					450
Glu	Glu	Glu	Lys	Glu	Pro	Val	Pro	Gln	Pro	Leu	Pro	Ser	Asp	Asp
				455					460					465
Thr	Arg	Val	Glu	Asn	Met	Asp	Ile	Ser	Asp	Glu	Glu	Glu	Gly	Gly
				470					475					480
Ala	Pro	Pro	Pro	Ala	Ser	Pro	Gln	Val	Leu	Glu	Glu	Asp	Glu	Ala
				485					490					495
Glu	Leu	Glu	Leu	Gln	Lys	Gln	Leu	Glu	Lys	Gly	Arg	Arg	Leu	Arg
				500					505					510
Gln	Leu	Gln	Gln	Leu	Gln	Gln	Leu	Arg	Asp	Ser	Gly	Glu	Lys	Val
				515					520					525
Val	Glu	Ile	Val	Lys	Lys	Leu	Glu	Ser	Arg	Gln	Arg	Gly	Trp	Glu
				530					535					540
Glu	Asp	Glu	Asp	Pro	Glu	Arg	Lys	Gly	Ala	Ile	Val	Phe	Asn	Ala
				545					550					555
Thr	Ser	Glu	Phe	Cys	Arg	Thr	Leu	Gly	Glu	Ile	Pro	Thr	Tyr	Gly
				560					565					570
Leu	Ala	Gly	Asn	Arg	Glu	Glu	Gln	Glu	Glu	Leu	Met	Asp	Phe	Glu
				575					580					585
Arg	Asp	Glu	Glu	Arg	Ser	Ala	Asn	Gly	Gly	Ser	Glu	Ser	Asp	Gly
				590					595					600
Glu	Glu	Asn	Ile	Gly	Trp	Ser	Thr	Val	Asn	Leu	Asp	Glu	Glu	Lys
				605					610					615
Gln	Gln	Gln	Asp	Phe	Ser	Ala	Ser	Ser	Thr	Thr	Ile	Leu	Asp	Glu
				620					625					630
Glu	Pro	Ile	Val	Asn	Arg	Gly	Leu	Ala	Ala	Ala	Leu	Leu	Leu	Cys
				635					640					645
Gln	Asn	Lys	Gly	Leu	Leu	Glu	Thr	Thr	Val	Gln	Lys	Val	Ala	Arg
				650					655					660
Val	Lys	Ala	Pro	Asn	Lys	Ser	Leu	Pro	Ser	Ala	Val	Tyr	Cys	Ile
				665					670					675
Glu	Asp	Lys	Met	Ala	Ile	Asp	Asp	Lys	Tyr	Ser	Arg	Arg	Glu	Glu
				680					685					690
Tyr	Arg	Gly	Phe	Thr	Gln	Asp	Phe	Lys	Glu	Lys	Asp	Gly	Tyr	Lys
				695					700					705
Pro	Asp	Val	Lys	Ile	Glu	Tyr	Val	Asp	Glu	Thr	Gly	Arg	Lys	Leu
				710					715					720
Thr	Pro	Lys	Glu	Ala	Phe	Arg	Gln	Leu	Ser	His	Arg	Phe	His	Gly
				725					730					735
Lys	Gly	Ser	Gly	Lys	Met	Lys	Thr	Glu	Arg	Arg	Met	Lys	Lys	Leu
				740					745					750
Asp	Glu	Glu	Ala	Leu	Leu	Lys	Lys	Met	Ser	Ser	Ser	Asp	Thr	Pro
				755					760					765
Leu	Gly	Thr	Val	Ala	Leu	Leu	Gln	Glu	Lys	Gln	Lys	Ala	Gln	Lys
				770					775					780
Thr	Pro	Tyr	Ile	Val	Leu	Ser	Gly	Ser	Gly	Lys	Ser	Met	Asn	Ala
				785					790					795
Asn	Thr	Ile	Thr	Lys										
				800										

&lt;210&gt; 52

&lt;211&gt; 713

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5678487CD1

&lt;400&gt; 52

Met	Ala	Lys	Ser	Pro	Glu	Asn	Ser	Thr	Leu	Glu	Glu	Ile	Leu	Gly
1				5					10					15
Gln	Tyr	Gln	Arg	Ser	Leu	Arg	Glu	His	Ala	Ser	Arg	Ser	Ile	His
				20					25					30
Gln	Leu	Thr	Cys	Ala	Leu	Lys	Glu	Gly	Asp	Val	Thr	Ile	Gly	Glu
				35					40					45
Asp	Ala	Pro	Asn	Leu	Ser	Phe	Ser	Thr	Ser	Val	Gly	Asn	Glu	Asp
				50					55					60
Ala	Arg	Thr	Ala	Trp	Pro	Glu	Leu	Gln	Gln	Ser	His	Ala	Val	Asn
				65					70					75
Gln	Leu	Lys	Asp	Leu	Leu	Arg	Gln	Gln	Ala	Asp	Lys	Glu	Ser	Glu
				80					85					90
Val	Ser	Pro	Ser	Arg	Arg	Arg	Lys	Met	Ser	Pro	Leu	Arg	Ser	Leu
				95					100					105
Glu	His	Glu	Glu	Thr	Asn	Met	Pro	Thr	Met	His	Asp	Leu	Val	His
				110					115					120
Thr	Ile	Asn	Asp	Gln	Ser	Gln	Tyr	Ile	His	His	Leu	Glu	Ala	Glu
				125					130					135
Val	Lys	Phe	Cys	Lys	Glu	Glu	Leu	Ser	Gly	Met	Lys	Asn	Lys	Ile
				140					145					150
Gln	Val	Val	Val	Leu	Glu	Asn	Glu	Gly	Leu	Gln	Gln	Gln	Leu	Lys
				155					160					165
Ser	Gln	Arg	Gln	Glu	Glu	Thr	Leu	Arg	Glu	Gln	Thr	Leu	Leu	Asp
				170					175					180
Ala	Ser	Gly	Asn	Met	His	Asn	Ser	Trp	Ile	Thr	Thr	Gly	Glu	Asp
				185					190					195
Ser	Gly	Val	Gly	Glu	Thr	Ser	Lys	Arg	Pro	Phe	Ser	His	Asp	Asn
				200					205					210
Ala	Asp	Phe	Gly	Lys	Ala	Ala	Ser	Ala	Gly	Glu	Gln	Leu	Glu	Leu
				215					220					225
Glu	Lys	Leu	Lys	Leu	Thr	Tyr	Glu	Glu	Lys	Cys	Glu	Ile	Glu	Glu
				230					235					240
Ser	Gln	Leu	Lys	Phe	Leu	Arg	Asn	Asp	Leu	Ala	Glu	Tyr	Gln	Arg
				245					250					255
Thr	Cys	Glu	Asp	Leu	Lys	Glu	Gln	Leu	Lys	His	Lys	Glu	Phe	Leu
				260					265					270
Leu	Ala	Ala	Asn	Thr	Cys	Asn	Arg	Val	Gly	Gly	Leu	Cys	Leu	Lys
				275					280					285
Cys	Ala	Gln	His	Glu	Ala	Val	Leu	Ser	Gln	Thr	His	Thr	Asn	Val
				290					295					300
His	Met	Gln	Thr	Ile	Glu	Arg	Leu	Val	Lys	Glu	Arg	Asp	Asp	Leu
				305					310					315
Met	Ser	Ala	Leu	Val	Ser	Val	Arg	Ser	Ser	Leu	Ala	Asp	Thr	Gln
				320					325					330
Gln	Arg	Glu	Ala	Ser	Ala	Tyr	Glu	Gln	Val	Lys	Gln	Val	Leu	Gln
				335					340					345
Ile	Ser	Glu	Glu	Ala	Asn	Phe	Glu	Lys	Thr	Lys	Ala	Leu	Ile	Gln
				350					355					360
Cys	Asp	Gln	Leu	Arg	Lys	Glu	Leu	Glu	Arg	Gln	Ala	Glu	Arg	Leu
				365					370					375
Glu	Lys	Asp	Leu	Ala	Ser	Gln	Gln	Glu	Lys	Arg	Ala	Ile	Glu	Lys
				380					385					390
Asp	Met	Met	Lys	Lys	Glu	Ile	Thr	Lys	Glu	Arg	Glu	Tyr	Met	Gly
				395					400					405
Ser	Lys	Met	Leu	Ile	Leu	Ser	Gln	Asn	Ile	Ala	Gln	Leu	Glu	Ala
				410					415					420

Gln	Val	Glu	Lys	Val	Thr	Lys	Glu	Lys	Ile	Ser	Ala	Ile	Asn	Gln	
				425					430					435	
Leu	Glu	Glu	Ile	Gln	Ser	Gln	Leu	Ala	Ser	Arg	Glu	Met	Asp	Val	
				440					445					450	
Thr	Lys	Val	Cys	Gly	Glu	Met	Arg	Tyr	Gln	Leu	Asn	Lys	Thr	Asn	
				455					460					465	
Met	Glu	Lys	Asp	Glu	Ala	Glu	Lys	Glu	His	Arg	Glu	Phe	Arg	Ala	
				470					475					480	
Lys	Thr	Asn	Arg	Asp	Leu	Glu	Ile	Lys	Asp	Gln	Glu	Ile	Glu	Lys	
				485					490					495	
Leu	Arg	Ile	Glu	Leu	Asp	Glu	Ser	Lys	Gln	His	Leu	Glu	Gln	Glu	
				500					505					510	
Gln	Gln	Lys	Ala	Ala	Leu	Ala	Arg	Glu	Glu	Cys	Leu	Arg	Leu	Thr	
				515					520					525	
Glu	Leu	Leu	Gly	Glu	Ser	Glu	His	Gln	Leu	His	Leu	Thr	Arg	Gln	
				530					535					540	
Glu	Lys	Asp	Ser	Ile	Gln	Gln	Ser	Phe	Ser	Lys	Glu	Ala	Lys	Ala	
				545					550					555	
Gln	Ala	Leu	Gln	Ala	Gln	Gln	Arg	Glu	Gln	Glu	Leu	Thr	Gln	Lys	
				560					565					570	
Ile	Gln	Gln	Met	Glu	Ala	Gln	His	Asp	Lys	Thr	Glu	Asn	Glu	Gln	
				575					580					585	
Tyr	Leu	Leu	Leu	Thr	Ser	Gln	Asn	Thr	Phe	Leu	Thr	Lys	Leu	Lys	
				590					595					600	
Glu	Glu	Cys	Cys	Thr	Leu	Ala	Lys	Lys	Leu	Glu	Gln	Ile	Ser	Gln	
				605					610					615	
Lys	Thr	Arg	Ser	Glu	Ile	Ala	Gln	Leu	Ser	Gln	Glu	Lys	Arg	Tyr	
				620					625					630	
Thr	Tyr	Asp	Lys	Leu	Gly	Lys	Leu	Gln	Arg	Arg	Asn	Glu	Glu	Leu	
				635					640					645	
Glu	Glu	Gln	Cys	Val	Gln	His	Gly	Arg	Val	His	Glu	Thr	Met	Lys	
				650					655					660	
Gln	Arg	Leu	Arg	Gln	Leu	Asp	Lys	His	Ser	Gln	Ala	Thr	Ala	Gln	
				665					670					675	
Gln	Leu	Val	Gln	Leu	Leu	Ser	Lys	Gln	Asn	Gln	Leu	Leu	Leu	Glu	
				680					685					690	
Arg	Gln	Ser	Leu	Ser	Glu	Glu	Val	Asp	Arg	Leu	Arg	Thr	Gln	Leu	
				695					700					705	
Pro	Ser	Met	Pro	Gln	Ser	Asp	Cys								
				710											

&lt;210&gt; 53

&lt;211&gt; 880

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5682976CD1

&lt;400&gt; 53

Met	Ser	Arg	Gly	Gly	Ser	Cys	Pro	His	Leu	Leu	Trp	Asp	Val	Arg	
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Lys	Arg	Ser	Leu	Gly	Leu	Glu	Asp	Pro	Ser	Arg	Leu	Arg	Ser	Arg	
				20					25					30	
Tyr	Leu	Gly	Arg	Arg	Glu	Phe	Ile	Gln	Arg	Leu	Lys	Leu	Glu	Ala	
				35					40					45	
Thr	Leu	Asn	Val	His	Asp	Gly	Cys	Val	Asn	Thr	Ile	Cys	Trp	Asn	
				50					55					60	
Asp	Thr	Gly	Glu	Tyr	Ile	Leu	Ser	Gly	Ser	Asp	Asp	Thr	Lys	Leu	
				65					70					75	
Val	Ile	Ser	Asn	Pro	Tyr	Ser	Arg	Lys	Val	Leu	Thr	Thr	Ile	Arg	
				80					85					90	
Ser	Gly	His	Arg	Ala	Asn	Ile	Phe	Ser	Ala	Lys	Phe	Leu	Pro	Cys	

	95		100		105
Thr Asn Asp Lys	Gln Ile Val Ser Cys	Ser Gly Asp Gly Val	Ile		
	110		115		120
Phe Tyr Thr Asn	Val Glu Gln Asp Ala	Glu Thr Asn Arg Gln	Cys		
	125		130		135
Gln Phe Thr Cys	His Tyr Gly Thr Thr	Tyr Glu Ile Met Thr	Val		
	140		145		150
Pro Asn Asp Pro	Tyr Thr Phe Leu Ser	Cys Gly Glu Asp Gly	Thr		
	155		160		165
Val Arg Trp Phe	Asp Thr Arg Ile Lys	Thr Ser Cys Thr Lys	Glu		
	170		175		180
Asp Cys Lys Asp	Asp Ile Leu Ile Asn	Cys Arg Arg Ala Ala	Thr		
	185		190		195
Ser Val Ala Ile	Cys Pro Pro Ile Pro	Tyr Tyr Leu Ala Val	Gly		
	200		205		210
Cys Ser Asp Ser	Ser Val Arg Ile Tyr	Asp Arg Arg Met Leu	Gly		
	215		220		225
Thr Arg Ala Thr	Gly Asn Tyr Ala Gly	Arg Gly Thr Thr Gly	Met		
	230		235		240
Val Ala Arg Phe	Ile Pro Ser His Leu	Asn Asn Lys Ser Cys	Arg		
	245		250		255
Val Thr Ser Leu	Cys Tyr Ser Glu Asp	Gly Gln Glu Ile Leu	Val		
	260		265		270
Ser Tyr Ser Ser	Asp Tyr Ile Tyr Leu	Phe Asp Pro Lys Asp	Asp		
	275		280		285
Thr Ala Arg Glu	Leu Lys Thr Pro Ser	Ala Glu Glu Arg Arg	Glu		
	290		295		300
Glu Leu Arg Gln	Pro Pro Val Lys Arg	Leu Arg Leu Arg Gly	Asp		
	305		310		315
Trp Ser Asp Thr	Gly Pro Arg Ala Arg	Pro Glu Ser Glu Arg	Glu		
	320		325		330
Arg Asp Gly Glu	Gln Ser Pro Asn Val	Ser Leu Met Gln Arg	Met		
	335		340		345
Ser Asp Met Leu	Ser Arg Trp Phe Glu	Glu Ala Ser Glu Val	Ala		
	350		355		360
Gln Ser Asn Arg	Gly Arg Gly Arg Ser	Arg Pro Arg Gly Gly	Thr		
	365		370		375
Ser Gln Ser Asp	Ile Ser Thr Leu Pro	Thr Val Pro Ser Ser	Pro		
	380		385		390
Asp Leu Glu Val	Ser Glu Thr Ala Met	Glu Val Asp Thr Pro	Ala		
	395		400		405
Glu Gln Phe Leu	Gln Pro Ser Thr Ser	Ser Thr Met Ser Ala	Gln		
	410		415		420
Ala His Ser Thr	Ser Ser Pro Thr Glu	Ser Pro His Ser Thr	Pro		
	425		430		435
Leu Leu Ser Ser	Pro Asp Ser Glu Gln	Arg Gln Ser Val Glu	Ala		
	440		445		450
Ser Gly His His	Thr His His Gln Ser	Asp Ser Pro Ser Ser	Val		
	455		460		465
Val Asn Lys Gln	Leu Gly Ser Met Ser	Leu Asp Glu Gln Gln	Asp		
	470		475		480
Asn Asn Asn Glu	Lys Leu Ser Pro Lys	Pro Gly Thr Gly Glu	Pro		
	485		490		495
Val Leu Ser Leu	His Tyr Ser Thr Glu	Gly Thr Thr Thr Ser	Thr		
	500		505		510
Ile Lys Leu Asn	Phe Thr Asp Glu Trp	Ser Ser Ile Ala Ser	Ser		
	515		520		525
Ser Arg Gly Ile	Gly Ser His Cys Lys	Ser Glu Gly Gln Glu	Glu		
	530		535		540
Ser Phe Val Pro	Gln Ser Ser Val Gln	Pro Pro Glu Gly Asp	Ser		
	545		550		555
Glu Thr Lys Ala	Pro Glu Glu Ser Ser	Glu Asp Val Thr Lys	Tyr		
	560		565		570

Gln Glu Gly Val Ser Ala Glu Asn Pro Val Glu Asn His Ile Asn  
 575 580 585  
 Ile Thr Gln Ser Asp Lys Phe Thr Ala Lys Pro Leu Asp Ser Asn  
 590 595 600  
 Ser Gly Glu Arg Asn Asp Leu Asn Leu Asp Arg Ser Cys Gly Val  
 605 610 615  
 Pro Glu Glu Ser Ala Ser Ser Glu Lys Ala Lys Glu Pro Glu Thr  
 620 625 630  
 Ser Asp Gln Thr Ser Thr Glu Ser Ala Thr Asn Glu Asn Asn Thr  
 635 640 645  
 Asn Pro Glu Pro Gln Phe Gln Thr Glu Ala Thr Gly Pro Ser Ala  
 650 655 660  
 His Glu Glu Thr Ser Thr Arg Asp Ser Ala Leu Gln Asp Thr Asp  
 665 670 675  
 Asp Ser Asp Asp Asp Pro Val Leu Ile Pro Gly Ala Arg Tyr Arg  
 680 685 690  
 Ala Gly Pro Gly Asp Arg Arg Ser Ala Val Ala Arg Ile Gln Glu  
 695 700 705  
 Phe Phe Arg Arg Arg Lys Glu Arg Lys Glu Met Glu Glu Leu Asp  
 710 715 720  
 Thr Leu Asn Ile Arg Arg Pro Leu Val Lys Met Val Tyr Lys Gly  
 725 730 735  
 His Arg Asn Ser Arg Thr Met Ile Lys Glu Ala Asn Phe Trp Gly  
 740 745 750  
 Ala Asn Phe Val Met Ser Gly Ser Asp Cys Gly His Ile Phe Ile  
 755 760 765  
 Trp Asp Arg His Thr Ala Glu His Leu Met Leu Leu Glu Ala Asp  
 770 775 780  
 Asn His Val Val Asn Cys Leu Gln Pro His Pro Phe Asp Pro Ile  
 785 790 795  
 Leu Ala Ser Ser Gly Ile Asp Tyr Asp Ile Lys Ile Trp Ser Pro  
 800 805 810  
 Leu Glu Glu Ser Arg Ile Phe Asn Arg Lys Leu Ala Asp Glu Val  
 815 820 825  
 Ile Thr Arg Asn Glu Leu Met Leu Glu Glu Thr Arg Asn Thr Ile  
 830 835 840  
 Thr Val Pro Ala Ser Phe Met Leu Arg Met Leu Ala Ser Leu Asn  
 845 850 855  
 His Ile Arg Ala Asp Arg Leu Glu Gly Asp Arg Ser Glu Gly Ser  
 860 865 870  
 Gly Gln Glu Asn Glu Asn Glu Asp Glu Glu  
 875 880

&lt;210&gt; 54

&lt;211&gt; 855

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5992432CD1

&lt;400&gt; 54

Met Val Val Met Ala Arg Leu Ser Arg Pro Glu Arg Pro Asp Leu  
 1 5 10 15  
 Val Phe Glu Glu Glu Asp Leu Pro Tyr Glu Glu Glu Ile Met Arg  
 20 25 30  
 Asn Gln Phe Ser Val Lys Cys Trp Leu Arg Tyr Ile Glu Phe Lys  
 35 40 45  
 Gln Gly Ala Pro Lys Pro Arg Leu Asn Gln Leu Tyr Glu Arg Ala  
 50 55 60  
 Leu Lys Leu Leu Pro Cys Ser Tyr Lys Leu Trp Tyr Arg Tyr Leu  
 65 70 75  
 Lys Ala Arg Arg Ala Gln Val Lys His Arg Cys Val Thr Asp Pro

				80					85					90
Ala	Tyr	Glu	Asp	Val	Asn	Asn	Cys	His	Glu	Arg	Ala	Phe	Val	Phe
				95					100					105
Met	His	Lys	Met	Pro	Arg	Leu	Trp	Leu	Asp	Tyr	Cys	Gln	Phe	Leu
				110					115					120
Met	Asp	Gln	Gly	Arg	Val	Thr	His	Thr	Arg	Arg	Thr	Phe	Asp	Arg
				125					130					135
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Leu	Tyr	Leu	Arg	Phe	Leu	Arg	Ser	His	Pro	Leu	Pro	Glu	Thr	Ala
				155					160					165
Val	Arg	Gly	Tyr	Arg	Arg	Phe	Leu	Lys	Leu	Ser	Pro	Glu	Ser	Ala
				170					175					180
Glu	Glu	Tyr	Ile	Glu	Tyr	Leu	Lys	Ser	Ser	Asp	Arg	Leu	Asp	Glu
				185					190					195
Ala	Ala	Gln	Arg	Leu	Ala	Thr	Val	Val	Asn	Asp	Glu	Arg	Phe	Val
				200					205					210
Ser	Lys	Ala	Gly	Lys	Ser	Asn	Tyr	Gln	Leu	Trp	His	Glu	Leu	Cys
				215					220					225
Asp	Leu	Ile	Ser	Gln	Asn	Pro	Asp	Lys	Val	Gln	Ser	Leu	Asn	Val
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Asp	Ala	Ile	Ile	Arg	Gly	Gly	Leu	Thr	Arg	Phe	Thr	Asp	Gln	Leu
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Gly	Lys	Leu	Trp	Cys	Ser	Leu	Ala	Asp	Tyr	Tyr	Ile	Arg	Ser	Gly
				260					265					270
His	Phe	Glu	Lys	Ala	Arg	Asp	Val	Tyr	Glu	Glu	Ala	Ile	Arg	Thr
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Val	Met	Thr	Val	Arg	Asp	Phe	Thr	Gln	Val	Phe	Asp	Ser	Tyr	Ala
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Gln	Phe	Glu	Glu	Ser	Met	Ile	Ala	Ala	Lys	Met	Glu	Thr	Ala	Ser
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Glu	Leu	Gly	Arg	Glu	Glu	Glu	Asp	Asp	Val	Asp	Leu	Glu	Leu	Arg
				320					325					330
Leu	Ala	Arg	Phe	Glu	Gln	Leu	Ile	Ser	Arg	Arg	Pro	Leu	Leu	Leu
				335					340					345
Asn	Ser	Val	Leu	Leu	Arg	Gln	Asn	Pro	His	His	Val	His	Glu	Trp
				350					355					360
His	Lys	Arg	Val	Ala	Leu	His	Gln	Gly	Arg	Pro	Arg	Glu	Ile	Ile
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Asn	Thr	Tyr	Thr	Glu	Ala	Val	Gln	Thr	Val	Asp	Pro	Phe	Lys	Ala
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Thr	Gly	Lys	Pro	His	Thr	Leu	Trp	Val	Ala	Phe	Ala	Lys	Phe	Tyr
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Glu	Asp	Asn	Gly	Gln	Leu	Asp	Asp	Ala	Arg	Val	Ile	Leu	Glu	Lys
				410					415					420
Ala	Thr	Lys	Val	Asn	Phe	Lys	Gln	Val	Asp	Asp	Leu	Ala	Ser	Val
				425					430					435
Trp	Cys	Gln	Cys	Gly	Glu	Leu	Glu	Leu	Arg	His	Glu	Asn	Tyr	Asp
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Glu	Ala	Leu	Arg	Leu	Leu	Arg	Lys	Ala	Thr	Ala	Leu	Pro	Ala	Arg
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Ser	Leu	Gly	Thr	Phe	Gln	Ser	Thr	Lys	Ala	Val	Tyr	Asp	Arg	Ile
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Leu	Asp	Leu	Arg	Ile	Ala	Thr	Pro	Gln	Ile	Val	Ile	Asn	Tyr	Ala
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Met	Phe	Leu	Glu	Glu	His	Lys	Tyr	Phe	Glu	Glu	Ser	Phe	Lys	Ala
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Tyr	Glu	Arg	Gly	Ile	Ser	Leu	Phe	Lys	Trp	Pro	Asn	Val	Ser	Asp
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Arg	Lys	Leu	Glu	Arg	Ala	Arg	Asp	Leu	Phe	Glu	Gln	Ala	Leu	Asp
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Gln	Leu	Glu	Glu	Glu	Trp	Gly	Leu	Ala	Arg	His	Ala	Met	Ala	Val
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Met	Phe	Asn	Ile	Tyr	Ile	Lys	Arg	Ala	Ala	Glu	Ile	Tyr	Gly	Val
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Thr	His	Thr	Arg	Gly	Ile	Tyr	Gln	Lys	Ala	Ile	Glu	Val	Leu	Ser
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Asp	Glu	His	Ala	Arg	Glu	Met	Cys	Leu	Arg	Phe	Ala	Asp	Met	Glu
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Cys	Lys	Leu	Gly	Glu	Ile	Asp	Arg	Ala	Arg	Ala	Ile	Tyr	Ser	Phe
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Cys	Ser	Gln	Ile	Cys	Asp	Pro	Arg	Thr	Thr	Gly	Ala	Phe	Trp	Gln
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Thr	Trp	Lys	Asp	Phe	Glu	Val	Arg	His	Gly	Asn	Glu	Asp	Thr	Ile
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Lys	Glu	Met	Leu	Arg	Ile	Arg	Arg	Ser	Val	Gln	Ala	Thr	Tyr	Asn
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Thr	Gln	Val	Asn	Phe	Met	Ala	Ser	Gln	Met	Leu	Lys	Val	Ser	Gly
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Ser	Ala	Thr	Gly	Thr	Val	Ser	Asp	Leu	Ala	Pro	Gly	Gln	Ser	Gly
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Met	Asp	Asp	Met	Lys	Leu	Leu	Glu	Gln	Arg	Ala	Glu	Gln	Leu	Ala
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Ala	Glu	Ala	Glu	Arg	Asp	Gln	Pro	Leu	Arg	Ala	Gln	Ser	Lys	Ile
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Leu	Phe	Val	Arg	Ser	Asp	Ala	Ser	Arg	Glu	Glu	Leu	Ala	Glu	Leu
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Ala	Gln	Gln	Val	Asn	Pro	Glu	Glu	Ile	Gln	Leu	Gly	Glu	Asp	Glu
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Asp	Glu	Asp	Glu	Met	Asp	Leu	Glu	Pro	Asn	Glu	Val	Arg	Leu	Glu
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Gln	Gln	Ser	Val	Pro	Ala	Ala	Val	Phe	Gly	Ser	Leu	Lys	Glu	Asp
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&lt;210&gt; 55

&lt;211&gt; 1598

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 116462CB1

&lt;400&gt; 55

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&lt;210&gt; 56

&lt;211&gt; 1432

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1210462CB1

&lt;400&gt; 56

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&lt;210&gt; 57

&lt;211&gt; 2317

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1305252CB1

&lt;400&gt; 57

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&lt;210&gt; 58

&lt;211&gt; 1774

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1416289CB1

&lt;400&gt; 58

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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 1558289CB1

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 <212> DNA  
 <213> Homo sapiens

<220>  
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&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1752768CB1

&lt;400&gt; 61

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<213> Homo sapiens

<220>  
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<223> Incyte ID No: 1887228CB1

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1865

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&lt;211&gt; 1924

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1988468CB1

&lt;400&gt; 63

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2049176CB1

&lt;400&gt; 64

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<220>  
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<210> 68  
<211> 541  
<212> DNA  
<213> Homo sapiens

<220>  
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atccgtctct gcttccatgg cctctcgctc gcagtgaagc tcaagttgct actcgggacg 180
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<212> DNA  
<213> Homo sapiens

<220>  
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gagaaacacc tgttcaacct gaagtctcgc gccaaagaac tgagtaggag tgccaaaaaa 180
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<211> 823  
<212> DNA  
<213> Homo sapiens

<220>  
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<400> 70

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tcccgggtgcg agaagaagac cccggcttga gagtgagatg gcgtttaatg attgcttcag 180
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ttaacaattt accaaagaga tattgatatt gaaggaattt gggaggagga aaagaaacct 720
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<211> 1033  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1511488CB1

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<210> 72  
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<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1638819CB1

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&lt;210&gt; 73

&lt;211&gt; 2449

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1655123CB1

&lt;400&gt; 73

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<210> 74  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2553926CB1

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<210> 75  
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<220>  
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 <213> Homo sapiens

<220>  
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<210> 77

<211> 1236

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 017900CB1

<400> 77

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<211> 1634

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 035102CB1

<400> 78

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tggaaaaaaa aaaa 1634
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&lt;210&gt; 79

&lt;211&gt; 1258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 259983CB1

&lt;400&gt; 79

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&lt;210&gt; 80

&lt;211&gt; 2223

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 926810CB1

&lt;400&gt; 80

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&lt;210&gt; 81

&lt;211&gt; 1370

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1398816CB1

&lt;400&gt; 81

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&lt;210&gt; 82

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<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<223> Incyte ID No: 1496820CB1

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<211> 1372  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1514559CB1

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 <213> Homo sapiens

<220>  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 1678765CB1

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&lt;223&gt; Incyte ID No: 1708229CB1

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 1806454CB1

&lt;400&gt; 87

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&lt;223&gt; Incyte ID No: 1806850CB1

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&lt;213&gt; Homo sapiens

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 1868749CB1

&lt;400&gt; 90

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&lt;210&gt; 96

&lt;211&gt; 2046

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;400&gt; 97

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2959521CB1

&lt;400&gt; 98

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&lt;211&gt; 1889

&lt;212&gt; DNA

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&lt;223&gt; Incyte ID No: 3082014CB1

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&lt;222&gt; 1809, 1848, 1853, 1880

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 99

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&lt;211&gt; 2032

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 3520701CB1

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